

# MARCIN PAPRZYCKI

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## Education:

- 2008 D.Sc. (Habilitation) Bulgarian Academy of Sciences, Sofia, Bulgaria  
Dissertation: *High Performance Algorithms for Matrices with Block Structures*
- 1990 Ph.D., Mathematics Southern Methodist University, Dallas, Texas  
Dissertation: *Parallelization of Boundary Value Problem Solvers*  
Advisor: Professor I. Gladwell
- 1986 MS, Mathematics Adam Mickiewicz University, Poznań, Poland  
Concentration: Numerical Methods and Programming  
Masters Thesis: *Height of a Random Binary Tree*  
Advisor: Professor M. Karoński

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## Fellowships:

- Fulbright Scholarship, Adam Mickiewicz University, Poznań, Poland, September 2003 – June 2004

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## Publications in the Area of Mathematics and Computer Science:

### Edited Volumes:

1. *Algorithms for Intelligent Systems, International Conference on Artificial Intelligence: Advances and Applications*, with G. Mathur, H. Sharma, M. Bunde, N. Dey, Algorithms for Intelligent Systems, Springer, Singapore, 2020
2. *Proceedings of the 2019 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE, Los Alamitos, CA, 2019
3. *Position Papers of the 2019 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 19, PIPS Press, Warsaw, 2019
4. *Communication Papers of the 2019 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 20, PIPS Press, Warsaw, 2019
5. *Futuristic Trends in Network and Communication Technologies*, with P. K. Singh, B. Bhargava, J. K. Chhabra, N. C. Kaushal, Y. Kumar, Communications in Computer and Information Science, Vol. 958, Springer, Singapore, 2019
6. *Proceedings of the 2018 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2018
7. *Position Papers of the 2018 Federated Conference on Computer Science and Information*

- Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 16, PIPS Press, Warsaw, 2018
8. *Communication Papers of the 2018 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 17, PIPS Press, Warsaw, 2018
  9. *Proceedings of the 2017 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2017
  10. *Position Papers of the 2017 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 12, PIPS Press, Warsaw, 2017
  11. *Communication Papers of the 2017 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 13, PIPS Press, Warsaw, 2017
  12. *Proceedings of the 2016 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2016
  13. *Position Papers of the 2016 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 8, PIPS Press, Warsaw, 2016
  14. *Proceedings of the 2015 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2015
  15. *Position Papers of the 2015 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 6, PIPS Press, Warsaw, 2015
  16. *Proceedings of the 2014 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2014
  17. *Position Papers of the 2014 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 3, PIPS Press, Warsaw, 2014
  18. *Proceedings of the 2013 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2013
  19. *Position Papers of the 2013 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, Annals of Computer Science and Information Systems, Vol. 1, PIPS Press, Warsaw, 2013
  20. *Multiagent System Technologies*, with M. Klusch, M. Thimm, LNCS, Springer, Berlin, 2013
  21. *Proceedings of the 2012 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2012
  22. *Software Agents, Agent Systems and their Applications*, with M. Ganzha, M. Essaïdi, Volume 32 of NATO Science for Peace and Security Series – D: Information and Communication Security, IOS Press, Amsterdam, The Netherlands, 2012
  23. *Proceedings of the 2011 Federated Conference on Computer Science and Information Systems*, with M. Ganzha, L. Maciaszek, IEEE CS Press, Los Alamitos, CA, 2011
  24. *Proceedings of the 2010 International Multiconference on Computer Science and Information Technology*, with M. Ganzha, IEEE CS Press, Los Alamitos, CA, 2010

25. *Proceedings of the 2009 International Multiconference on Computer Science and Information Technology*, with M. Ganzha, IEEE CS Press, Los Alamitos, CA, 2009
26. *Proceedings of the 2008 International Multiconference on Computer Science and Information Technology*, with M. Ganzha, T. Pełech-Pilichowski, IEEE CS Press, Los Alamitos, CA, 2008
27. *Development of Multi-Agent Systems in Socio-Economic Environments* (in Polish), with S. Stanek, H. Sroka, M. Ganzha, Placet, Warsaw, Poland, 2008
28. *Cluster 2007*, with K. Milfeld, IEEE Press, Los Alamitos, CA, 2007
29. *Advances in Intelligent and Distributed Computing*, with C. Badica, Springer, Berlin, Germany, 2007
30. *Proceedings of the 2007 International Multiconference on Computer Science and Information Technology*, with: M. Ganzha, T. Pełech, PTI Press, Katowice, Poland, 2007
31. *Management of E-Commerce and E-Government*, with: Z. Yuansheng, C. Deren, L. Yong, Nova Science Publishers, New York, NY, 2007
32. *Proceedings of the Fifth International Symposium on Parallel and Distributed Computing*, with: D. Petcu, B. Foliot, D. Grigoras, J. Morrison, J. Scherson, B. Trousel, M. Tudruj, IEEE CS Press, Los Alamitos, CA, 2006
33. *Proceedings of the 2006 International Multiconference on Computer Science and Information Technology*, with: M. Ganzha, T. Pełech, J. Wachowicz, K. Węcel, PTI Press, Katowice, Poland, 2006
34. *Proceedings of the 7<sup>th</sup> International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, with D. Zaharie, D. Petcu, V. Negru, T. Jebelean, G. Ciobanu, A. Cicotas, A. Abraham, IEEE Press, Los Alamitos, CA, 2005
35. *Proceedings of the International Conference on Next Generation Web Services Practices*, with A. Abraham, S. Y. Han, D. Du, IEEE Press, Los Alamitos, CA, 2005
36. *Proceedings of the 5<sup>th</sup> International Conference on Intelligent Systems Design and Applications*, with: H. Kwaśnicka, IEEE Press, Los Alamitos, CA, 2005
37. *Proceedings of the Fourth International Conference on Hybrid Intelligent Systems*, with: M. Ishikawa, S. Hashimoto, E. Barakova, K. Yoshida, M. Köppen, D. Corne, A. Abraham, IEEE Press, Los Alamitos, CA, 2005
38. *Proceedings of the 5<sup>th</sup> Parallel Processing and Applied Mathematics Conference*, with R. Wyrzykowski, J. Waśniewski and J. Dongarra, Springer Verlag, Berlin, Germany, 2004
39. *Proceedings of the Second International Symposium on Parallel and Distributed Computing*, IEEE Press, Los Alamitos, CA, 2003
40. *Electronic Commerce; Research and Development*, ACTEN Press, Wejherowo, Poland, 2003
41. *Proceedings of the Second Southern Conference on Computing*, with T. Beaubouef and M. Cobb, Department of Computer Science, University of Southern Mississippi, Hattiesburg, CD, December, 2002
42. *Proceedings of the 4<sup>th</sup> Parallel Processing and Applied Mathematics Conference*, with R. Wyrzykowski, J. Waśniewski and J. Dongarra, Springer Verlag, Berlin, Germany, 2002
43. *Practical Parallel Computing*, with L. Tarricone and T. Yang, Nova Scientific Publishers, Huntington, NY, 2001
44. *Proceedings of the 2001 IEEE International Conference on Cluster Computing*, with D. S. Katz, T. Sterling, M. Baker, L. Bergman and R. Buyya, IEEE Press, Los Alamitos, CA, 2001

45. *Proceedings of the First Southern Symposium on Computing*, with J. Kolibal, School of Mathematical Sciences, University of Southern Mississippi, Hattiesburg, CD, April, 2000
46. *High Performance Solution to Structured Linear Systems*, with P. Arbenz, A. Sameh and V. Sarin, Nova Scientific Publishers, Commack, NY, (Volume 2 of the Series: *Advances in the Theory of Computation and Computational Mathematics*), 1998
47. *Mind Versus Computer. Were Dreyfus and Winograd Right?*, with M. Gams and X. Wu, IOS Press, Amsterdam, (Volume 43 of the series: *Frontiers in Artificial Intelligence and Applications*), 1997

### **Edited Journal Issues:**

1. *Interoperability in the Internet of Things*, with G. Fortino, M. Ganzha, C. Palau, IEEE Computing Now, November, 2016
2. *Agent-Oriented Computing for Distributed Systems and Networks*, with M. Ganzha, *Journal of Network and Computer Applications*, Vol. 37, January, 2014
3. *Software Agents – Twenty Years & Counting*, with M. Ganzha, A. Omicini, IEEE Computing Now, November, 2013
4. *Advances in Agent-based Computing*, with M. Ganzha, *International Journal of Intelligent Information and Database Systems*, Vol. 3, No. 4, 2009
5. *Intelligent Systems*, with C Badica and M. Ganzha, *Informatica*, Vol. 32, No. 4, 2008
6. *Distributed Intelligent Systems*, with M. Ganzha, *Scalable Computing; Practice and Experiences*, Vol. 9, No. 1, 2008
7. *Internet Technologies and Services*, with M. Essaaidi, *International Journal of Computer Science and Applications*, Vol. 3, No 2, 2006
8. *Proceedings of the Scientific Session organized during XXI Fall Meeting of the Polish Information Processing Society*, with: M. Ganzha, J. Wachowicz, K. Węcel, *Annales UMCS Sectio AI Informatica*, vol. IV, 2006
9. *Internet-Based Computing*, with: D. Grigoras, J. P. Morrison, *Scalable Computing: Practice and Experience*, Vol. 6, No. 1, 2005
10. *Agent Based Computing*, with: G. Ciobanu, S. Rahimi, *Informatica*, Vol. 28, No. 1, 2004
11. *Data Management, I/O Techniques, and Storage Systems for Large-Scale Data Intensive Applications*, with L. T. Yang, X. Shen, X. Wu, *IEEE Distributed Systems*, Vol. 5, 2004
12. *Information Society*, with: M. Gams, *Informatica*, Vol. 27, No. 4, 2003
13. *Practical Parallel Computing*, with L. Tarricone and L. T. Yang, *International Journal of Computer Research*, Vol. 10, No. 4, 2001
14. *Past, Present and Future of Neural Networks*, with P. G. Anderson, G. Antoniou, V. Mladenov, E. Oja and N. Steele, *International Journal of Computer Research*, Vol. 10, No. 2, 2001
15. *Neural Networks and their Applications*, with P. G. Anderson, G. Antoniou, G. Klein, V. Mladenov, E. Oja and N. Steele, *Informatica*, Vol. 25, No. 1, 2001
16. *Parallel Computing on Networks of Computers*, with R. Buyya, *Informatica*, Vol. 23, No. 1, 1999
17. *Internet-based Tools in Support of Business Information Systems*, with W. Abramowicz, *Informatica*, Vol. 22, No. 1, 1998
18. *Mind <> Computer. Were Dreyfus and Winograd Right?*, with M. Gams and X. Wu, *Informatica*, Vol. 19, No. 4, 1995

19. *Parallel and Distributed Real-Time Systems*, with J. Zalewski, *Informatica*, Vol. 19, No. 1, 1995

### **Book Chapters:**

1. “Software Agents in Support of Scheduling Group Training”, with G. Mamatsashvili, K. Gancarz, W. Łajewska, M. Ganzha, in: P. M., Sharma, et.al (eds.), *Next Generation Computing Technologies on Computational Intelligence, Communications in Computer and Information Science*, Vol. 922, Springer, Singapore, 2019, 364-375, DOI: 10.1007/978-981-15-1718-1\_31
2. “Intelligent Trash Bin Management System – Initial Design and Implementation”, with P. Filarski, P. Niedziela, M. Ganzha, in: P. Singh et.al. (eds.), *Proceedings of ICETIT, Lecture Notes in Electrical Engineering*, vol. 605, Springer, Cham, 2019, 165-179, DOI: 10.1007/978-3-030-30577-2\_14
3. “Semantic-Based System for Exercise Programming and Dietary Advice”, with: G.G. Mamatsashvili, K. Ponichtera, M. Małkiński, M. Ganzha, in: L. Jain et.al. (eds.), *Advances in Bioinformatics, Multimedia, and Electronics Circuits and Signals, Advances in Intelligent Systems and Computing*, vol 1064. Springer, Singapore, 2020, 105-120, DOI: 10.1007/978-981-15-0339-9\_10
4. “Offline Handwritten Gurumukhi Character Recognition System Using Deep Learning”, with: U. Jindal, S. Gupta, V. Jain, in: L. Jain et.al. (eds.), *Advances in Bioinformatics, Multimedia, and Electronics Circuits and Signals, Advances in Intelligent Systems and Computing*, vol 1064. Springer, Singapore, 2020, 121-133, DOI: 10.1007/978-981-15-0339-9\_11
5. “InterCriteria Analysis of Different Hybrid Ant Colony Optimization Algorithms for Workforce Planning”, with S. Fidanova, O. Roeva, G. Luque, in: S. Fidanova (ed.), *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, vol. 838, Springer, Berlin, 2020, 61-81, DOI: 10.1007/978-3-030-22723-4\_5
6. “InterCriteria Analysis of ACO Performance for Workforce Planning Problem,” with S. Fidanova, O. Roeva, G. Luque, in: S. Fidanova (ed.), *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, vol. 795, Springer, Berlin, 2018, 47-67, DOI: 10.1007/978-3-319-99648-6\_4
7. “Dimensions of semantic similarity”, with P. Szmeja, M. Ganzha, W. Pawłowski, in: Gaweda A. et.al. (eds.), *Advances in Data Analysis with Computational Intelligence Methods, Studies in Computational Intelligence*, vol. 738, Springer, Berlin, 2017, 87-125, DOI: 10.1007/978-3-319-67946-4\_3
8. “Comparison of Different ACO Start Strategies Based on InterCriteria Analysis,” with S. Fidanova, O. Roeva, in: S. Fidanova (ed.), *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, vol. 717, Springer, Berlin, 2017, 53-72, DOI: 10.1007/978-3-319-59861-1\_4
9. “Towards Multi-layer Interoperability of Heterogeneous IoT Platforms: The INTER-IoT Approach,” with G. Fortino, C. Savaglio, C. E. Palau, J. S. de Puga, M. Ganzha, M. Montesinos, A. Liotta, M. Llop, in: R. Gravina et.al. (eds.), *Integration, Interconnection, and Interoperability of IoT Systems, Internet of Things (Technology, Communications and Computing)*, Springer, Berlin, 2017, 199-232
10. “InterCriteria Analysis of Genetic Algorithms Performance,” with O. Roeva, P. Vassilev, S. Fidanova, *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, Vol. 655, Springer, 2016, 235-260

11. "Practical Application of OFN Arithmetics in a Crisis Control Center Monitoring," with J. Czerniak, W. Dobrosielski, L. Apiecioneck, D. Ewald, in: S. Fidanova (ed.), *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, Vol. 610, Springer, 2016, 51-64
12. "InterCriteria Analysis of ACO and GA Hybrid Algorithms," with S. Fidanova, O. Roeva, in: S. Fidanova (ed.), *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, Vol. 610, Springer, 2016, 107-126
13. "Population Size Influence on the Genetic and Ant Algorithms Performance in Case of Cultivation Process Modeling," with S. Fidanova, O. Roeva, in: S. Fidanova (ed.), *Recent Advances in Computational Optimization, Studies in Computational Intelligence*, Vol. 580, Springer, 2015, 106-120
14. "Using Ontologies to Manage Resources in Grid Computing: Practical Aspects," with M. Drozdowicz, M. Ganzha, K. Wasielewska, P. Szmeja, in S. Ossowski (ed.), *Agreement Technologies, Law, Governance and Technology Series*, Springer, Berlin, 2013, 149-168
15. "Evaluation of Structured Collaborative Tagging for Web Service Matchmaking," with M. Gawinecki, G. Cabri, M. Ganzha, in: B. Blake et.al. (eds.), *Semantic Web Services; Advancement through Evaluation*, Springer, Berlin, 2012, 173-189
16. "Implementing GliderAgent – an agent-based decision support system for glider pilots," with J. Domański, R. Dziadkiewicz, M. Ganzha, A. Gab, M. Mesjasz, in M. Ganzha, et.al. (eds.), *Volume 32 of NATO Science for Peace and Security Series – D: Information and Communication Security*, IOS Press, Amsterdam, The Netherlands, 2012, 222-244
17. "Structured Collaborative Tagging: Is It Practical for Web Service Discovery?," with M. Gawinecki, G. Cabri, M. Ganzha, in: J. Filipe, J. Cordeiro (eds.), *Web Information Systems and Technologies - 6th International Conference, Revised Selected Papers, Lecture Notes in Business Information Processing*, Springer, Berlin, 2011, 69-84
18. "Ontology for Contract Negotiations in an Agent-based Grid Resource Management System," with M. Drozdowicz, K. Wasielewska, M. Ganzha, N. Attaoui, I. Lirkov, R. Olejnik, D. Petcu, C. Badica, in: P. Ivanyi, B.H.V. Topping (eds.), *Trends In Parallel, Distributed, Grid and Cloud Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2011, 335-354
19. "Negotiations in an Agent-based Grid Resource Brokering System," with K. Wasielewska, M. Ganzha, M. Drozdowicz, D. Petcu, C. Badica, N. Attaoui, I. Lirkov, R. Olejnik, in: P. Ivanyi, B.H.V. Topping (eds.), *Trends In Parallel, Distributed, Grid and Cloud Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2011, 355-374
20. "Trade-off between Complexity of Structured Tagging and Effectiveness of Web Service Retrieval," with M. Gawinecki, G. Cabri, M. Ganzha, in: F. Daniel, F. M. Facca (eds.), *Current Trends in Web Engineering - 10th International Conference on Web Engineering, ICWE 2010 Workshops, Revised Selected Papers, LNCS*, Springer, Berlin, 2010, 289-300
21. "Resource Management in Grids: Overview and a discussion of a possible approach for an Agent-Based Middleware," with M. Senobari, M. Drozdowicz, M. Ganzha, R. Olejnik, I. Lirkov, P. Telegin, N. M. Charkari, in: B.H.V. Topping, P. Ivanyi (eds.), *Parallel, Distributed and Grid Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2009, 141-164
22. "Ontologies Agents and the Grid: an Overview," with M. Drozdowicz, M. Ganzha, R. Olejnik, I. Lirkov, P. Telegin, M. Senobari, in: B.H.V. Topping, P. Ivanyi (eds.), *Parallel, Distributed and Grid Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2009, 117-140

23. "Adaptability in an Agent Based Virtual Organization – Towards Implementation," with G. Frackowiak, M. Ganzha, M. Szymczak, Y.-S. Han, M.-W. Park, in: J. Cordeiro et.al. (eds.), *Web Information Systems and Technologies*, Springer, Berlin, 2009, 27-39
24. "Considering Resource Management in Agent-Based Virtual Organization," with G. Frackowiak, M. Ganzha, M. Gawinecki, M. Szymczak, M.-W. Park, Y.-S. Han, in: N. Nguyen, L. C. Jain (Eds.), *Intelligent Agents in the Evolution of Web and Applications*, Springer, Berlin, 2009, 161-190
25. "Developing and Utilizing Ontology of Golf Based on the Open Travel Alliance Golf Messages," with A. Cieřlik, M. Ganzha, in: J. Cordeiro et.al. (eds.), *Web Information Systems and Technologies*, Springer, Berlin, 2009, 133-156
26. "Software Agents in ADAJ: Load Balancing in a Distributed Environment," with M. Drozdowicz, M. Ganzha, W. Kuranowski, I. Alshabani, R. Olejnik, M. Taifour, M. Senobari, I. Lirkov, in: M. Todorov (ed.), *Applications of Mathematics in Engineering and Economics*, American Institute of Physics, College Park, MD, 2008, 527-540
27. "Potential Problems in Development and Implementation of Agent Systems on the Basis of the Travel Support System" (in Polish), with M. Gawinecki, M. Ganzha, in: S. Stanek et. al. (eds.), *Development of Multi-Agent Systems in Socio-Economic Environments*, Placet, Warsaw, Poland, 2008, 303-320
28. "Model Agent-based E-commerce System" (in Polish), with M. Ganzha, M. Gawinecki, P. Kobzdej, in: S. Stanek et. al. (eds.), *Development of Multi-Agent Systems in Socio-Economic Environments*, Placet, Warsaw, Poland, 2008, 349-368
29. "Software Agents as Resource Brokers in the Grid" (in Polish), with W. Kuranowski, M. Ganzha, M. Dominiak, in: S. Stanek et. al. (eds.), *Development of Multi-Agent Systems in Socio-Economic Environments*, Placet, Warsaw, Poland, 2008, 369-391
30. "Trust Management in an Agent-based Grid Resource Brokering System - Preliminary Considerations," with M. Ganzha, I. Lirkov, in: M. Todorov (ed.), *Applications of Mathematics in Engineering and Economics'33*, American Institute of Physics, College Park, MD, 2007, 35-46
31. "Cluster Computing Facilities in a Service-Oriented Architecture," with D. Petcu, M. Ganzha, in: W. Shajdurov (ed.), *Distributed and Cluster Computing*, Technical University of Krasnojarsk Press, Krasnojarsk, Russia, 2007, 107-122
32. "A Mobile Location-based Framework for Secure E-Commerce and E-Government," with J. Thomas, Z. M. Shen, M. Crossland, in: Z. Yuansheng et. al. (eds.), *Management of E-Commerce and E-Government*, Nova Science Publishers, New York, NY, 2007, 51-66
33. "Mobile Agent Security," with Łukasz Nitschke, Michał Ren, in: J. Thomas, M. Essaidi (eds.), *Information Assurance and Computer Security*, IOS Press, Amsterdam, 2006, 102-123
34. "Utilizing Semantic Web and Software Agents in a Travel Support System," with M. Ganzha, M. Gawinecki, R. Gasiorowski, S. Pisarek, W. Hyska, in: A. F. Salam, J. Stevens (eds.), *Semantic Web Technologies and eBusiness: Virtual Organization and Business Process Automation*, Idea Publishing Group, Hershey, USA, 2006, 325-359
35. "Developing a Model Agent-based E-commerce System," with C. Bădică, M. Ganzha, in: Jie Lu et. al. (eds.), *E-Service Intelligence – Methodologies, Technologies and Applications*, Springer, Berlin, 2007, 555-578
36. "Symbolic Computations on Grids," with D. Petcu, D. Tepeneu, T. Ida, in B. Di Martino et. al. (eds.), *Engineering the Grid; Status and Perspective*, America Scientific Publishers, Los Angeles, CA, 2006, 91-107

37. "RDF Demarcated Resources in an Agent Based Travel Support System," with M. Gawinecki, M. Gordon, N. Nguyen, M. Szymczak, in: M. Goliński et. al. (eds.), *Informatics and Effectiveness of Systems*, PTI Press, Katowice, 2005, 303- 310
38. "Socrates Agents – in Support of Student Mobility," with M. Ganzha, W. Kuranowski, in: M. Goliński et. al. (eds.), *Informatics and Effectiveness of Systems*, PTI Press, Katowice, 2005, 295-302
39. "Interaction User – Agent-based Travel Support System," (in Polish) with P. Kaczmarek, M. Gawinecki, Z. Vetulani, in: J. Kisielnicki et. al. (eds.) *Informatics and Modern Management*, PTI Press, Katowice, 2005, 189-198
40. "Internet-based Travel Support System – Creating Subsystem Responsible for Content Gathering," (in Polish) with S. Pisarek, in: J. Kisielnicki et. al. (eds.) *Informatics and Modern Management*, PTI Press, Katowice, 2005, 177-188
41. "A Brief Introduction to Parallel Computing," with P. Stpiczyński, in: E. J. Kontoghiorghes (ed.) *Handbook of Parallel Computing and Statistics*, Taylor and Francis, Boca Raton, FL, 2006, 3-42
42. "Ontologically Demarcated Resources in an Agent Based Travel Support System," with: M. Gawinecki, M. Gordon, N. T. Nguyen, Z. Vetulani, in: R. K. Katarzyniak (ed.) *Ontologies and Soft Methods in Knowledge Management*, Advanced Knowledge International, Adelaide, Australia, 2005, 219-240
43. "Ontologies in a Travel Support System," with M. Gordon, A. Kowalski, T. Pelech, M. Szymczak, T. Wąsowicz, in: D. J. Bem et. al. (eds.) *Internet 2005*, Technical University of Wrocław Press, 2005, 285-300
44. "Digital Signature Security. The Present and the Future," with T. Pelech, in: D. J. Bem et. al. (eds.) *Internet 2005*, Technical University of Wrocław Press, 2005, 159-172
45. "Fuzzy Spatial Relationships and Mobile Agent Technology in Geospatial Information Systems," with F. Petry, M. Cobb, D. Ali, R. Angryk, S. Rahimi, L. Wen, H. Yang, in: L. Sztandera and P. Matsakis (eds.), *Soft Computing in Defining Spatial Relations*, volume in series: Soft Computing, Physica-Verlag, Heidelberg, 2002, 123-156

#### **Refereed Journal Articles:**

1. "Complex event processing in physical systems: a pragmatic perspective," with R. Tkaczyk, M. Bonecki, S. Bohdanowicz, M. Ganzha, in: *Rocznik Naukowy Wydziału Zarządzania w Ciechanowie*, 1-4 (XI) 2017, 213-228
2. "Performance analysis of a parallel algorithm for restoring large-scale CT images," with S. Harizanov, I. Lirkov, K. Georgiev, M. Ganzha, in: *Journal of Computational and Applied Mathematics*, 310, 2017, 104-114, DOI: 10.1016/j.cam.2016.07.001
3. "AgentPlanner – Agent-based Timetabling System," with R. Tkaczyk, M. Ganzha, *Informatica*, 40(1), 2016, 3-17
4. "Semantic interoperability in the Internet of Things: an overview from the INTER-IoT perspective," with M. Ganzha, W. Pawłowski, P. Szymeja, K. Wasielewska, *Journal of Network and Computer Applications*, Elsevier, 2016 (available online 1 September 2016)
5. "Semantically Enriched Data Access Policies in eHealth," with M. Drozdowicz M. Ganzha, *Journal of Medical Systems*, 40(11), 2016, 238, DOI: 10.1007/s10916-016-0581-7
6. "An application of partition method for solving 3D Stokes equation," with M. Ganzha, K. Georgiev, I. Lirkov, *Computers & Mathematics with Applications*, Vol. 70, No. 11, 2015, 2762–2772



7. "Distributed Agent-Based Online Auction System," with C. Badica, S. Ilie, A. Muscar, A. Badica, L. Sandu, R. Sboru, M. Ganzha, *Computing and Informatics*, Vol. 33, No. 3, 2014, 518-552
8. "Multi-objective ACO algorithm for WSN layout: performance according to number of ants," with S. Fidanova, P. Marinov, *International Journal of Metaheuristics*, Vol. 3, No. 2, 2014, 149-161
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38. "Computer Literacy Courses—Do We Really Need Them?," Computer Literacy Digest, Vol. 1, No. 10, 1994
39. "Computer Literacy: a Global Perspective," with G. Duckett and T. Mitchell, in: G. H. Marks (ed.), Mathematics/Science Education and Technology—1994, AACE, Charlottesville, VA, 1994, 114-117
40. "Optimizing Performance of Basic Linear Algebraic Subroutines on DEC Computers," with C. Cyphers, Proceedings of the 10th Annual Conference on Applied Mathematics, University of Central Oklahoma, Edmond, OK, 1994, 162-172
41. "Using Computer Networks to Study Computer Literacy," with T. Mitchell and G. Duckett, in: J. Willis et. al. (eds.), Technology and Teacher Education Annual, 1994, AACE, Charlottesville, VA, 1993, 91-93, abridged version of this text appears in: Computer on Campus; National Conference, University of South Carolina, 1994, 74-75
42. "Prospective Teachers' Attitudes Toward Computers," with D. Vidakovic, in: J. Willis et. al. (eds.), Technology and Teacher Education Annual, 1994, AACE, Charlottesville, VA, 1994, 74-76
43. "Using BLAS in the Estimation of Nonlinear, Non-Gaussian State-Space Models," with P. Hodges and N. Irwin, Proceedings of the 9th Annual Conference on Applied Mathematics, University of Central Oklahoma, Edmond, OK, 1993, 332-342
44. "Using Technology in the Classroom: Today and Tomorrow," with T. Mitchell, in: D. Carey et. al. (eds.), Technology and Teacher Education Annual, 1993, AACE, Charlottesville, VA, 1993, 219-223, abridged version of this text appears in: Computer Literacy Digest, Vol. 1, No. 8, 1994
45. "A Level 3 BLAS Based Solver for Almost Block Diagonal Systems," with C. Cyphers, SMU Software Report No. 92-3, 1992, <http://www.netlib.org/linalg/l3abdsol>
46. "How Computer Networks Will Influence Education," with T. Mitchell, Abstracts of the East-West Conference on Emerging Computer Technologies in Education, Moscow, Russia, 1992, 140
47. "Teaching New Technologies," with T. Mitchell, Abstracts of the East-West Conference on Emerging Computer Technologies in Education, Moscow, Russia, 1992, 144-145
48. "Parallel Matrix Multiplication—Can We Learn Anything New?," CHPC Newsletter, Vol.7, No.4, 1992, 55-59
49. "Multiplying Matrices on the Cray—Practical Considerations," with C. Cyphers, CHPC Newsletter, Vol. 6, No. 6, 1991, 77-82



50. "Gaussian Elimination on Cray Y-MP," with C. Cyphers, CHPC Newsletter, Vol. 6, No. 4, 1991, 43-47

### **Book Reviews:**

1. H. Attiya and J. Welch, *Distributed Computing; Fundamentals, Simulations and Advanced Topics*, McGraw-Hill, Berkshire, UK, 1998, *PDCP*, Vol. 4, No. 2, 2001, 225-226
2. J. Błażewicz, K. Ecker, B. Plateau, and D. Trystram (eds.), *Handbook on Parallel and Distributed Processing*, Springer-Verlag, Berlin, Germany, 2000; *PDCP*, Vol. 4, No. 1, 2001, 118-119
3. J. J. Dongarra, I. S. Duff, D. C. Sorensen, and H. A. van der Vorst, *Numerical Linear Algebra for High-Performance Computers*, SIAM, Philadelphia, PA, 1998; *IEEE Concurrency*, Vol. 8, No. 4, 2000, 92-93
4. L. D. Fosdick, E. R. Jessup, C. J. C. Schauble and G. Domik, *An Introduction to High-Performance Scientific Computing*, MIT Press, Cambridge, MA, 1996; *IEEE Concurrency*, Vol. 5, No. 3, 1997, 73-74
5. T. L. Casavant, P. Tvrđik and F. Plasil, *Parallel Computers; Theory and Practice*, IEEE Computer Society Press, Los Alamitos, CA, 1996; *IEEE Concurrency*, Vol. 5, No. 1, 1997, 81-82
6. G. C. Fox, R. D. Williams and P. C. Messina, *Parallel Computing Works!*, Morgan Kaufman, San Francisco, CA, 1994; *IEEE Parallel & Distributed Technology*, Vol. 4, No. 4, 1996, 82-83
7. D. Loshin, *High Performance Computing Demystified*, AP Professional, Boston, MA, 1994; *IEEE Parallel & Distributed Technology*, Vol. 4, No. 2, 1996, 84
8. T. Hey and J. Ferrante (eds.), *Portability and Performance for Parallel Processing*, John Wiley & Sons, Chichester, UK, 1994; *IEEE Parallel & Distributed Technology*, Vol. 3, No. 3, 1995, 72-73
9. G. Golub and J. M. Ortega, *Scientific Computing: An Introduction with Parallel Computing*, Academic Press, San Diego, CA, 1993; *IEEE Parallel & Distributed Technology*, Vol. 3, No. 2, 1995, 80
10. J. J. Dongarra and W. Gentsch, *Computer Benchmarks*, North-Holland, Amsterdam, Netherlands, 1993; *IEEE Parallel & Distributed Technology*, Vol. 3, No. 1, 1995, 89
11. R. M. Hord, *Parallel Supercomputing in MIMD Architectures*, CRC Press, Boca Raton, FL, 1993; *IEEE Parallel & Distributed Technology*, Vol. 2, No. 4, 1994, 94
12. K. Dowd, *High-Performance Computing: RISC Architectures, Optimization & Benchmarks*, O'Reilly & Associates, Sebastopol, CA, 1993; *IEEE Parallel & Distributed Technology*, Vol. 2, No. 3, 1994, 85
13. A. Gibbons and P. Spirakis (eds.), *Lectures on Parallel Computation*, Cambridge University Press, New York, NY, 1993; *IEEE Parallel & Distributed Technology*, Vol. 2, No. 2, 1994, 84

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### **Publications in Other Areas:**

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#### **Edited Volumes:**

1. *Social System, Rationality and Revolution*, edited with L. Nowak, Rodopi, Amsterdam, 1993

### **Refereed Publications:**

1. "How revolutions take place?" (in Polish), with K. Paprzycka, in: K. Brzechczyn, et. al. (eds.), *Poznańskie Studia z Filozofii Humanistyki*, vol. 22, Wydawnictwo Naukowe Wydziału Nauk Społecznych, Poznań, 2013, 77-84
2. "Accuracy and Relevance" (in Polish), with K. Paprzycka, in: R. Egiert, A. Klawiter, P. Przybysz (eds.), *Oblicza Idealizacji, Poznańskie Studia z Filozofii Humanistyki*, 2(15), 1996, 211-220
3. "Some Remarks on the Notion of Essentiality," (in Polish), with K. Paprzycka, in: J. Brzeziński and K. Lastowski (eds.), *Philosophical Categories and the Cognitive Status of Science*, Wydawnictwo Naukowe UAM, Poznań, Poland, 1994, 203-211
4. "The Non-Christian Model of Man: Toward a Psychoanalytical Explanation," in: L. Nowak and M. Paprzycki (eds.), *Social System, Rationality and Revolution*, Rodopi, Amsterdam, 1993, 205-213
  - a. appears also in Polish in: K. Brzechczyn, et. al. (eds.), *Poznańskie Studia z Filozofii Humanistyki*, vol. 22, Wydawnictwo Naukowe Wydziału Nauk Społecznych, Poznań, 2013, 67-75
5. "How Do Enslaved People Make Revolutions," with K. Paprzycka, in: L. Nowak and M. Paprzycki (eds.), *Social System, Rationality and Revolution*, Rodopi, Amsterdam, 1993, 251-263
6. "On Multilinearity of Socialism," with L. Nowak and K. Paprzycka, in: L. Nowak and M. Paprzycki (eds.), *Social System, Rationality and Revolution*, Rodopi, Amsterdam, 1993, 355-370
  - a. appears also in Polish in: K. Brzechczyn, et. al. (eds.), *Poznańskie Studia z Filozofii Humanistyki*, vol. 22, Wydawnictwo Naukowe Wydziału Nauk Społecznych, Poznań, 2013, 113-129
7. "A Note on the Unitarian Explication of Idealization," with K. Paprzycka, in: J. Brzeziński and L. Nowak (eds.), *Idealization III: Approximation and Truth*, Rodopi, Amsterdam, 1992, 279-281
8. "Accuracy, Essentiality and Idealization," with K. Paprzycka, in: J. Brzeziński and L. Nowak (eds.), *Idealization III: Approximation and Truth*, Rodopi, Amsterdam, 1992, 255-265

### **Unrefereed Publications:**

1. "Not too much compromise" (in Polish), *Zdanie*, No. 11/12, Kraków 1989

### **To Appear:**

1. "Is Year 1984 Possible?," with K. Paprzycka, in the *Proceedings from the Conference in Honor of L. Nowak's U Podstaw Socjalizmu*

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### **Elected Positions and Senior Positions:**

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- Senior Member, ACM, since June 2009
- Senior Member, IEEE Computer Society, since September 2005
- Vice-Chair, IEEE Poland Section, December 2019 –
- Chair, Poland Section IEEE Computer Society Chapter C-16, 2015 –
- Chair, Mazovia Chapter of the Polish Information Processing Society, 2014 –
- Member of the Steering Committee of the Stowarzyszenie Alumni, 2008 –

- Member of the Management Committee and Science Communication Manager, EU COST Action 18231, Multi3Generation: Multi-task, Multilingual, Multi-modal Language Generation, 2019 –
- Member of the Management Committee, EU COST Action 1404, Multi-Paradigm Modelling for Cyber-Physical Systems (MPM4CPS), 2015 – 2018
- Member of the Board of the Polish Information Processing Society, 2008 – 2014
- Vice-Chair, Poland Section IEEE Computer Society Chapter C-16, 2008 – 2015
- Member of the Management Committee, EU COST Action 0801, Agreement Technologies, 2010-2012
- IEEE Computer Society Distinguished Visitor, 2006 – 2008
- Co-chair, IEEE Technical Committee on Scalable Computing, June 2004 – October 2005
- Chair, IEEE Technical Committee on Supercomputing Applications, September 2002 – June 2004

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### **Editorial Boards:**

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- *Scalable Computing; Practice and Experience*, 2005 – present (Editor-in-Chief 2005-2008; member of the Steering Committee 2008 – present)
- *Natural Language Processing Research*, 2019 – present
- *Big Data Mining and Analytics*, 2019 – present
- *Computer Science and Information Systems*, 2017 – present
- *Information Technology and Control*, 2015 – present
- *Radio Electronics, Computer Science, Control*, 2015 – present
- *International Journal of Big Data Intelligence, Associate Editor*, 2013 – present
- *IEEE Computing Now Web Portal*, 2009 – present
- *Annals of Computer Science and Information Systems*, co-Editor, 2013 – present
- *IADIS International Journal on Computer Science and Information Systems*, co-Editor, 2006 – present
- *Complex Adaptive Systems Modeling*, 2012 – present
- *International Journal of Autonomic Computing*, 2008 – present
- *Informatica. An International Journal of Computing and Informatics*, 1993 – present
- *International Journal of Intelligent Information and Database Systems*, 2006 – present
- *Carpathian Journal of Mathematics*, 2003 – present
- *Studies and Materials in Applied Computer Science*, 2009 – present
- *Technical Transactions, series Computer Science and Information Systems*, 2014 – present
- *International Journal of Computer Science & Applications*, 2003 – 2013
- *Egyptian Computer Science Journal*, 2003 – 2013
- *International Journal on Information and Communication Technologies*, 2008 – 2013
- *International Journal of Computer Information Systems and Industrial Management Applications*, 2009 – 2013
- *International Journal of Agent Technologies and Systems*, 2010 – 2013
- *Computing, Multimedia and Intelligent Techniques*, 2005 – 2013
- *Gazeta IT (in Polish)*, Editor-in-Chief, 2002 – 2012
- *IEEE Distributed Systems Online*, 2000 – 2008
- *Poznań Studies in the Philosophy of the Sciences and the Humanities*, 1997 – 2008

- *Informatyka Teoretyczna i Stosowana (in Polish)*, 2003 – 2007
- *ADVANCES IN COMPUTATION; Theory and Practice*, Managing Editor, 1998 – 2005
- *International Journal of Computer Research*, co-Editor, 2001 – 2004
- *Parallel and Distributed Computing Practices*, Editor-in-Chief, 1997 – 2004
- *Buletinul Științific al Universității din Baia Mare*, 1997 – 2002
- *Gazeta Praca dla Informatyków (in Polish)*, Editor-in-Chief, 2000 – 2002
- *International Journal of Parallel and Distributed Systems and Networks*, 1998 – 2002
- *IEEE Concurrency*, 1995 – 2000

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### **Conference Related Activities:**

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1. Member of the Program Committee, IEEE 6th International IEEE Congress on Information Science and Technology (CiSt'20), Agadir, Morocco, December, 2020
2. Member of the Program Committee, 24th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October, 2020
3. Member of the Program Committee, 12<sup>th</sup> International Conference ICT Innovations 2020, Skopje, Northern Macedonia, October, 2020
4. Member of Program Committee, International Conference on Smart Systems and Technologies (SST 2020), Osijek, Croatia, October, 2020
5. Member of the Steering Committee, 14<sup>th</sup> International Symposium on Intelligent Distributed Computing (IDC'2020), Scilla, Italy, September, 2020
6. Member of the Program Committee, 24<sup>th</sup> KES Annual Conference, Verona, Italy, September, 2020
7. Co-Chair, 15<sup>th</sup> Conference on Computer Science and Information Systems (FedCSIS'2020), Sofia, Bulgaria, September, 2020
8. Member of the Program Committee, Fourteenth International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2020), Nice, France, September, 2020
9. Member of the Program Committee, The 19th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2020), Varna, Bulgaria, September, 2020
10. Member of the Program Committee, 2020 International Conference on Ubiquitous Power Internet of Things (UPIOT 2020), Xian, China, August, 2020
11. Member of the Program Committee, 4<sup>th</sup> International Conference on Recent Advances in Signal Processing, Telecommunications & Computing (SigTelCom), Ha Noi City, Vietnam, August, 2020
12. Member of the Program Committee, 2020 International Conference on INovations in Intelligent SysTems and Applications (INISTA'20), Novi Sad, Serbia, August, 2020
13. Member of the Program Committee, 12th International Conference on Computational Collective Intelligence (ICCCI 2020), Da Nang, Vietnam, July, 2020
14. Member of the Program Committee, 19<sup>th</sup> International Symposium on Parallel and Distributed Computing, Warsaw, Poland, July, 2020
15. Member of the Program Committee, The 14th International Conference on Complex, Intelligent and Software Intensive Systems, Łódź, Poland, July, 2020
16. Member of the Program Committee, 7<sup>th</sup> International Conference on Control, Decision and Information Technologies (CODIT), Prague, Czech Republic, June-July, 2020

17. Member of the Program Committee, The Ninth International Conference on Intelligent Systems and Applications (INTELLI 2020), Athens, Greece, June-July, 2020
18. Member of Steering Committee, Twelfth Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences, Albena, Bulgaria, June, 2020
19. Member of the Program Committee, Second International Conference on Learning and Optimization Algorithms: Theory and Applications (LOPAL 2019), Cordoba, Spain, June, 2020
20. Member of the Program Committee, 8th International Workshop on Multi-agent Based Applications for Smart Grids and Sustainable Energy Systems (MASGES 2020), L'Aquila, Italy, June, 2020
21. Member of the Program Committee, International Conference on Computational Science (ICCS 2020), Amsterdam, The Netherlands, June, 2020
22. Member of the Program Committee, 15<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2020), Burgos, Spain, June, 2020
23. Member of the Program Committee, International Conference on Paradigms of Computing, Communication and Data Sciences (PCCDS-2020), Kurukshetra, India, May 2020
24. Member of the Program Committee, International Conference on applications of AI and Machine Learning (ICAML 2020), Patiala, India, May, 2020
25. Member of the Program Committee, 17<sup>th</sup> Conference for Informatics and Information Technologies (CIIT 2020), Krushevo, North Macedonia, May, 2020
26. Member of the Program Committee, The 7th International Conference on Agreement Technologies, Thessaloniki, Greece, April, 2020
27. Member of the Program Committee, The 11<sup>th</sup> International Conference on Ambient Systems, Networks and Technologies, Warsaw, Poland, April, 2020
28. Member of the Program Committee, 14<sup>th</sup> IEEE International Symposium on Service Oriented System Engineering (SOSE-2020), Oxford, UK, April, 2020
29. Member of the Program Committee, 12<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2020), Phuket, Thailand, March, 2020
30. Member of the Program Committee, International Conference on Computing Science, Communication and Security (COMS2), Mehsana, India, March, 2020
31. Member of the Program Committee, International Conference on Machine Intelligence and Data Science Applications (MIDAS 2020), Dehradun, India, March, 2020
32. Member of the Program Committee, Role of ICT in Higher Education: Trends, Problems and Prospects (ICRIHE - 2020), Delhi, India, February, 2020
33. Member of the Program Committee, Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy, Gandhinagar, India, February, 2020
34. Member of the Program Committee, 2020 International Conference on Control and Decision (ICoCD 2020), Sydney, Australia, February, 2020
35. Member of the Program Committee, 4th International Conference on Computational Intelligence & Networks (CINE 2020), Kolkata, India, February, 2020
36. Member of the Program Committee, 4th International Conference on "Innovative Advancements in Engineering and Technology (IAET-2020)", Jaipur, India, February, 2020
37. Member of the program Committee, 1<sup>st</sup> International Conference on Innovative Trends in Engineering Technology and Management (ICITETM-2020), Delhi, India, February, 2020

38. Member of the Program Committee, International Conference on Applied Soft Computing and Communication Networks (ACN'19), Trivandrum, India, December, 2019
39. Member of the Steering Committee, International Conference on Information Management & Machine Intelligence (ICIMMI-2019), Jaipur, India, December, 2019
40. Member of the Program Committee, International Conference on Information Management & Machine Intelligence (ICIMMI-2019), Jaipur, India, December, 2019
41. Member of the Program Committee, Twentieth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2019), Gold Coast, Australia, December, 2019
42. Member of the Program Committee, Second International Conference on Futuristic Trends in Network and Communication Technologies, Wagnaghat, India, November, 2019
43. Member of the Program Committee, 28<sup>th</sup> International Conference on Interdisciplinary Mathematics, Statistics and Computational Intelligence Techniques (IMSCIT-2019), Santiago, Chile, November, 2019
44. Member of the Program Committee, 23<sup>rd</sup> International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October, 2019
45. Member of the Program Committee, 10<sup>th</sup> Workshop on Applications for Multi-Core Architectures, Campo Grande, Brasil, October, 2019
46. Honorary co-Chair, International Conference on Computing, Communications and Cyber-Security (IC4S-2019), Chandigarh, India, October, 2019
47. Co-Chair of Technical Program Committee, 2019 Workshop on Communication Networks and Power Systems, Brasilia, Brazil, October, 2019
48. Member of the Steering Committee, 13<sup>th</sup> International Symposium on Intelligent Distributed Computing (IDC'2019), St. Petersburg, Russia, October, 2019
49. Member of the Program Committee, 12<sup>th</sup> International Conference ICT Innovations 2019, Ohrid, Macedonia, October, 2019
50. Member of the Program Committee, 11<sup>th</sup> International Conference on Knowledge and Systems Engineering (KSE'19), Da Nang, Vietnam, October, 2019
51. Member of the Program Committee, 12<sup>th</sup> International Conference on Internet and Distributed Computing Systems (IDCS 2019), Naples, Italy, October, 2019
52. Member of the Program Committee, 2019 International Conference on Advanced Technologies for Communications (ATC), Hanoi, Vietnam, October, 2019
53. Member of the Program Committee, 11<sup>th</sup> International Conference on Computational Collective Intelligence (ICCCI 2019), Hendaye, France, September, 2019
54. Member of the Program Committee, 13<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM 2019), Białystok, Poland, September, 2019
55. Member of the Program Committee, 2019 IEEE International Conference on Computing Power and Communications Technologies, Delhi, India, September, 2019
56. Member of the Program Committee, International Conference on Societal Automation, Kraków, Poland, September, 2019
57. Member of the Program Committee, 23<sup>rd</sup> KES Annual Conference, Budapest, Hungary, September, 2019
58. Member of the Program Committee, The 14<sup>th</sup> IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems, Tallin, Estonia, September, 2019

59. Member of the Program Committee, Thirteenth International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2019), Porto, Portugal, September, 2019
60. Co-Chair, 14<sup>th</sup> Federated Conference on Computer Science and Information Systems (FedCSIS'2019), Leipzig, Germany, September, 2019
61. Member of the Program Committee, DEXA 2019, Linz, Austria, August, 2019
62. Member of the Program Committee, 2019 International Conference on Ubiquitous Power Internet of Things (UPIOT 2020), Chongqing, China, August, 2019
63. Member of the Program Committee, The 21<sup>st</sup> International Conferences on High Performance Computing and Communications (HPCC), Zhangjiajie, China, August, 2019
64. Member of the Program Committee, 17<sup>th</sup> IEEE International Conference on Smart City, Zhangjiajie, China, August, 2019
65. Member of the Program Committee, 5<sup>th</sup> European Workshop on Parallel and Distributed Computing Education for Undergraduate Students (Euro-EDUPAR), Göttingen, Germany, August, 2019
66. Member of the Program Committee, Parallel Computing Technologies (PaCT-2019) 15th International Conference, Almaty, Kazakhstan, August, 2019
67. Member of the Program Committee, 19th IEEE International Conference on Scalable Computing and Communications (ScalCom-2019), Leicester, UK, August, 2019
68. Member of the Program Committee, Special Session on High Performance Computing and Modeling & Simulation Education (HPC-Ed 2019), Dublin, Ireland, July, 2019
69. Member of the Program Committee, The Eights International Conference on Intelligent Systems and Applications (INTELLI 2019), Rome, Italy, July, 2019
70. Member of the Program Committee, International Conference on Computational Science (ICCS 2019), Faro, Portugal, June, 2019
71. Member of the Program Committee, 17th International Conference on Practical Applications of Agents and Multi-Agent Systems, Avila, Spain, June, 2019
72. Member of the Program Committee, 7th International Workshop on Multi-agent Based Applications for Smart Grids and Sustainable Energy Systems (MASGES 2019), Avila, Spain, June, 2019
73. Member of the Program Committee, International Conference on Emerging Trends in Information Technology (ICETIT-2019), Delhi, India, June, 2019
74. Member of the Program Committee, 17<sup>th</sup> International Conference on Practical Applications of Agents and Multi-Agent Systems, Avila, Spain, June, 2019
75. Member of Steering Committee, Eleventh Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences, Albena, Bulgaria, June, 2019
76. Member of the Program Committee, The Web Conference, Demos Track, San Francisco, CA, May, 2019
77. Member of the Program Committee, 16<sup>th</sup> Conference for Informatics and Information Technologies (CIIT 2019), Mavrovo, Macedonia, May, 2019
78. Member of the Program Committee, 14th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2019), Seville, Spain, May, 2019
79. Member of the Program Committee, 10th Advanced Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS'19), Costa de Caparica, Portugal, May, 2019

80. Member of the Program Committee, 11<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2019), Yogyakarta, Indonesia, April, 2019
81. Member of the Program Committee, 13<sup>th</sup> IEEE International Symposium on Service Oriented System Engineering (SOSE-2019), San Francisco, CA, April, 2019
82. Member of the Program Committee, 6<sup>th</sup> International Conference on Control, Decision and Information Technologies (CODIT), Paris, France, April, 2019
83. Member of the Program Committee, 10<sup>th</sup> International Conference (EMO 2019), East Lansing, MI, USA, March, 2019
84. Workshop Chair International Conference on Pervasive Computing Advances and Applications (PerCAA-2019), Jaipur, India, January, 2019
85. Member of the Program Committee, International Conference on Intelligent Computing and Communication Technologies (ICICCT-2019), Hyderabad, India, January, 2019
86. Member of the Program Committee, 1<sup>st</sup> International Conference on Smart Innovation, Ergonomics and Applied Human Factors (SEAHF 2019), Madrid, Spain, January, 2019
87. Member of the Program Committee, 2019 IEEE International Conference on Computing, Mathematics and Engineering Technologies (iCoMET), Sukkur, Pakistan, January, 2019
88. Member of the Program Committee, 1<sup>st</sup> International Conference on Smart Innovation, Ergonomics and Applied Human Factors (SEAHF 2019), Madrid, Spain, January, 2019
89. Workshop Chair, International Conference on Pervasive Computing Advances and Applications (PerCAA-2019), Jaipur, India, January, 2019
90. Member of the Program Committee, 6<sup>th</sup> International Conference on Agreement Technologies (AT 2018), Bergen, Norway, December, 2018
91. Member of the Program Committee, 10<sup>th</sup> International Conference on Computer Science and its Applications (CSA-18), Kuala Lumpur, Malaysia, December, 2018
92. Member of the Program Committee, 10<sup>th</sup> International Conference on Knowledge and Systems Engineering (KSE'18), Ho Chi Minh City, Vietnam, November, 2018
93. Member of the Program Committee, Twelfth International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2018), Athens, Greece, November, 2018
94. Member of the Steering Committee, 3<sup>rd</sup> International Conference and Workshops on Recent Advances and Innovations in Engineering, Jaipur, India, November, 2018
95. Member of the Program Committee, International Conference on Smart Digital Environment (ICSDE'18), Rabat, Morocco, October, 2018
96. Member of the Program Committee, 11<sup>th</sup> International Conference on Internet and Distributed Computing Systems (IDCS 2018), Tokyo, Japan, October, 2018
97. Member of the Program Committee, 2018 International Conference on Advanced Technologies for Communications (ATC), Ho Chi Minh City, Vietnam, October, 2018
98. Member of the Program Committee, 22<sup>nd</sup> International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October, 2018
99. Member of the Steering Committee, 12<sup>th</sup> International Symposium on Intelligent Distributed Computing (IDC'2018), Bilbao, Spain, October, 2018
100. Member of Program Board, Forum of Teleinformatics, Miedzeszyn, Poland, October, 2018
101. Member of the Program Committee, 24<sup>th</sup> International Conference on Information and Software Technologies (ICIST 2018), Vilnius, Lithuania, October, 2018
102. Member of the Program Committee, IEEE 5<sup>th</sup> International IEEE Congress on Information Science and Technology (CiSt'18), Marrakech, Morocco, October, 2018



103. Member of the Program Committee, 9<sup>th</sup> Workshop on Applications for Multi-Core Architectures, Lyon, France, September, 2018
104. Member of the Program Committee, 10<sup>th</sup> International Conference ICT Innovations 2018, Ohrid, Macedonia, September, 2018
105. Co-Chair, Federated Conference on Computer Science and Information Systems (FedCSIS'2018), Poznań, Poland, September, 2018
106. Member of the Program Committee, 10<sup>th</sup> International Conference on Computational Collective Intelligence (ICCCI 2018), Bristol, UK, September, 2018
107. Member of the Program Committee, ACS 2018 Multi-Conference, Międzyzdroje, Poland, September, 2018
108. Member of the Program Committee, 22<sup>nd</sup> KES Annual Conference, Belgrade, Serbia, September, 2018
109. Member of the Program Committee, DEXA 2018, Regensburg, Germany, August, 2018
110. Member of the Program Committee, 4<sup>th</sup> European Workshop on Parallel and Distributed Computing Education for Undergraduate Students (Euro-EDUPAR), Turin, Italy, August, 2018
111. Member of the Program Committee, Eights International Symposium on Business Modeling and Software Design (BMSD), Vienna, Austria, July, 2018
112. Member of the Program Committee, International Conference on Computational Science (ICCS 2018), Wuxi, China, June, 2018
113. Member of the Program Committee, The 20th International Conferences on High Performance Computing and Communications (HPCC), Exeter, UK, June, 2018
114. Member of the Program Committee, 13th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2018), San Sebastian, Spain, June, 2018
115. Member of the Program Committee, 16<sup>th</sup> IEEE International Conference on Smart City (SmartCity-2018), Exeter, UK, June, 2018
116. Co-Chair, 8<sup>th</sup> Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, June, 2018
117. Member of the Program Committee, International Conference on Learning and Optimization Algorithms Theory and Application (LOPAL), Rabat, Morocco, May, 2018
118. Member of the Program Committee, Workshop on Computational Intelligence in Ambient Assisted Living Systems, Porto, Portugal, May, 2018
119. Member of the Program Committee, 9th Advanced Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS'18), Lisbon, Portugal, May, 2018
120. Member of the Program Committee, International Conference on Innovative Computing and Communication (ICICC-2018), Delhi, India, May, 2018
121. Member of the Program Committee, 5<sup>th</sup> International Conference on Control, Decision and Information Technologies (CODIT), Thessaloniki, Greece, April, 2018
122. Member of the Program Committee, 15<sup>th</sup> Conference for Informatics and Information Technologies (CIIT 2018), Mavrovo, Macedonia, April, 2018
123. Member of the Program Committee, International Conference on Communication, Management and Information Technology (ICCMIT'18), Madrid, Spain, April, 2018
124. Member of the Program Committee, The Web Conference, Lyon, France, April, 2018
125. Member of Steering Committee, 3<sup>rd</sup> Workshop on Towards Global Interoperability among IoT Systems (Globe-IoT), Orlando, FL, April, 2018

126. Member of the Program Committee, 10<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2018), Dong Hoi City, Vietnam, March, 2018
127. Member of the Program Committee, 12<sup>th</sup> IEEE International Symposium on Service Oriented System Engineering (SOSE-2018), Bamberg, Germany, March, 2018
128. Member of the Program Committee, 2018 IEEE International Conference on Computing, Mathematics and Engineering Technologies (iCoMET), Sukkur, Pakistan, March, 2018
129. Member of the Program Committee, SMARTER EUROPE, Essen, Germany, February, 2018
130. Member of the Program Committee, Futuristic Trends in Network and Communication Technologies (FTNCT), Wagnaghat, India, February, 2018
131. Member of the Program Committee, 3<sup>rd</sup> International Conference On Internet of Things: Smart Innovation and Usages (IoT-SIU 2018), Bhimtal, India, February, 2018
132. Member of the Program Committee, SmartIoT: AI Enhanced IoT Data Processing for Intelligent Applications, New Orleans, LA, February, 2018
133. Member of the Program Committee, 2018 International Conference on Control Science and Intelligent Manufacturing (ICCSIM), Kuala Lumpur, Malaysia, January, 2018
134. Member of the Program Committee, 2<sup>nd</sup> International Conference on Recent Advances in Signal Processing, Telecommunications & Computing (SigTelCom), Ho Chi Minh City, Vietnam, January, 2018
135. Member of the Program Committee, 9<sup>th</sup> International Conference on Computer Science and its Applications (CSA-17), Taichung, Taiwan, December, 2017
136. Member of the Program Committee, 10<sup>th</sup> International Conference on Internet and Distributed Computing Systems (IDCS 2017), Mana Island, Fiji, December, 2017
137. Member of the Program Committee, 15<sup>th</sup> International Conference on Frontiers of Information Technology (FIT'17), Islamabad, Pakistan, December, 2017
138. Member of the Program Committee, 5<sup>th</sup> International Conference on Agreement Technologies (AT 2017), Evry, France, December, 2017
139. Member of the International Advisory Committee, 6<sup>th</sup> Conference on Information Technology and its Applications (CITA), Da Nang, Vietnam, December, 2017
140. Member of the Program Committee, 4<sup>th</sup> NAFOSTED Conference on Information and Computer Science (NICS), Hanoi, Vietnam, November, 2017
141. Member of the Program Committee, Digital Economy – Management, Innovation, Society & Technology (DEMIST), Warsaw, Poland, November, 2017
142. Member of the Program Committee, 3<sup>rd</sup> International Symposium on Big Data Analytics in Science and Engineering (BASE 2017), Aizu Wakamatsu, Japan, November, 2017
143. Member of the Program Committee, Eleventh International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2017), Barcelona, Spain, November, 2017
144. Member of the Program Committee, International Conference on Smart Systems and Technologies (SST), Osijek, Croatia, October, 2017
145. Co-Chair, 7<sup>th</sup> Workshop on Applications of Software Agents (WASA), Belgrade, Serbia, October, 2017
146. Member of the Program Committee, International Symposium on Computer Science and Intelligent Controls (ISCSIC 2017), Budapest, Hungary, October, 2017
147. Member of the Program Committee, 23<sup>rd</sup> International Conference on Information and Software Technologies (ICIST 2017), Druskininkai, Lithuania, October, 2017

148. Member of the Program Committee, 8<sup>th</sup> Workshop on Applications for Multi-Core Architectures, Sao Paulo, Brasil, October, 2017
149. Member of the Steering Committee, 11<sup>th</sup> International Symposium on Intelligent Distributed Computing (IDC'2017), Belgrade, Serbia, October, 2017
150. Member of the Program Committee, 21<sup>st</sup> International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October, 2017
151. Member of the Program Committee, International Conference on Advanced Technologies for Communications (ATC), Quynhom, Vietnam, October, 2017
152. Member of Program Board, Forum of Teleinformatics, Miedzeszyn, Poland, October, 2017
153. Co-Chair, Federated Conference on Computer Science and Information Systems (FedCSIS'2017), Prague, Czech Republic, September, 2017
154. Member of the Program Committee, 9<sup>th</sup> International Conference ICT Innovations 2017, Skopje, Macedonia, September, 2017
155. Member of the Program Committee, 9<sup>th</sup> International Conference on Computational Collective Intelligence (ICCCI 2017), Nicosia, Cyprus, September, 2017
156. Member of the Program Committee, 12<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM 2017), Lublin, Poland, September, 2017
157. Member of the Program Committee, 21<sup>st</sup> KES Annual Conference, Marseille, France, September, 2017
158. Member of the Program Committee, Seventh Conference on Internet Technologies and Applications (ITA 17), Wrexham, UK, September, 2017
159. Co-Chair, Workshop on Scalable Computing (WSC'17), Prague, Czech Republic, September, 2017
160. Member of the Program Committee, 12th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2017), Leon, Spain, October, 2017
161. Member of the Program Committee, 3<sup>rd</sup> IEEE International Conference on Internet of People, San Francisco, CA, August, 2017
162. Member of the Program Committee, 15<sup>th</sup> German Conference on Multi-Agent System Technologies (MATES), Leipzig, Germany, August, 2017
163. Member of the Program Committee, DEXA 2017, Lyon, France, August, 2017
164. Member of the Program Committee, 3<sup>rd</sup> European Workshop on Parallel and Distributed Computing Education for Undergraduate Students (Euro-EDUPAR), Santiago de Compostella, Spain, August, 2017
165. Member of the Program Committee, 4<sup>th</sup> Multidisciplinary International Social Networks Conference (MISNC), Bangkok, Thailand, July, 2017
166. Member of the Program Committee, International Conference on Smart Digital Environment 2017, Rabat, Morocco, July, 2017
167. Member of the Program Committee, International Conference on Information and Digital Technologies (IDT 2017), Zilina, Slovakia, July, 2017
168. Member of the Program Committee, Sixth International Conference on Intelligent Systems and Applications (INTELLI 2017), Nice, France, July, 2017
169. Member of the Program Committee, Sixth International Conference on Intelligent Systems and Applications (INTELLI), Niece, France, July, 2017
170. Member of the Program Committee, 16th IEEE International Conference on Scalable Computing and Communications (ScalCom 2016), Tolouse, France, July, 2016

171. Member of the Program Committee, Seventh International Symposium on Business Modeling and Software Design (BMSD), Barcelona, Spain, July, 2017
172. Member of the Program Committee, International Conference on Artificial Intelligence and Computer Engineering (AICE2017), Suzhou, China, June, 2017
173. Member of the Program Committee, Multi-agent based Applications for Sustainable Energy Systems (MASGES), Porto, Portugal, June, 2017
174. Member of the Program Committee, 13<sup>th</sup> IEEE International Conference GreenCom-2017, Exeter, UK, June, 2017
175. Member of the Program Committee, 3rd IEEE International Conference on Cybernetics (CYBCONF), Exeter, UK, June 2017
176. Member of the Program Committee, International Workshop on Agent Technology for Ambient Intelligence, Bucharest, Romania, May, 2017
177. Member of the Program Committee, 4th International Conference on Control, Decision and Information Technologies (CODIT), Barcelona, Spain, April, 2017
178. Member of the Program Committee, First Workshop on Next generation of Cloud Architectures, Belgrade, Serbia, April 2017
179. Member of the Program Committee, 8<sup>th</sup> Advanced Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS'17), Lisbon, Portugal, May, 2017
180. Member of the Program Committee, 11<sup>th</sup> IEEE International Symposium on Service Oriented System Engineering (SOSE-2017), San Francisco, CA, April, 2017
181. Member of the Program Committee, 9<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2017), Kanazawa, Japan, April, 2017
182. Member of the Program Committee, International Conference on Communication, Management and Information Technology (ICCMIT'17), Warsaw, Poland, April, 2017
183. Member of the Program Committee, First Workshop On Next generation of Cloud Architectures (CLOUDNG), Belgrade, Serbia, April, 2017
184. Member of the Program Committee, 2nd International Conference on Research in Intelligent and Computing in Engineering (RICE-2017), Gopeshwar, India, March, 2017
185. Member of the Program Committee, Fifth International Conference on Parallel, Distributed, Grid and Cloud Computing for Engineering (PARENG 2017), Pecs, Hungary, March, 2017
186. Member of the Program Committee, SMARTER EUROPE, Essen, Germany, February, 2017
187. Co-Chair, 1st Workshop on Towards Global Interoperability among IoT Systems (Globe-IoT), Las Vegas, NV, January, 2017
188. Member of the Program Committee, 14th International Conference on Frontiers of Information Technology (FIT'16), Islamabad, Pakistan, December, 2016
189. Member of the Program Committee, 4th International Conference on Agreement Technologies (AT 2016), Valencia, Spain, December, 2016
190. Member of the Program Committee, 8th International Conference on Computer Science and its Applications (CSA-16), Phuket, Thailand, December, 2016
191. Member of the Program Committee, Eleventh International Multi-Conference on Computing in the Global Information Technology (ICCGI), Barcelona, Spain, November, 2016
192. Member of the Program Committee, Fifth International Conference on Intelligent Systems and Applications (INTELLI), Barcelona, Spain, November, 2016
193. Member of the Program Committee, Third International Afro-European Conference for Industrial Advancement (AECIA), Marrakesh, Morocco, November, 2016

194. Member of the Program Committee, 11th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, Asan, Korea, November, 2016
195. Member of Program Board, Forum Teleinformatyki, Miedzeszyn, Poland, October, 2016
196. Member of the Program Committee, IEEE Colloquium in Information Science and Technology (CIST'16), Tangier, Morocco, October, 2016
197. Member of the Program Committee, International Conference on Advanced Technologies for Communications (ATC), Hanoi, Vietnam, October, 2016
198. Member of the Program Committee, 7th Workshop on Applications for Multi-Core Architectures, Los Angeles, CA, October, 2016
199. Member of the Program Committee, International Workshop on Quality of Service in Smart Cities, Pittsburgh, PA, October, 2016
200. Member of the Program Committee, 9th International Conference on Internet and Distributed Computing Systems (IDCS 2016), Wuhan, China, October, 2016
201. Member of the Program Committee, 22nd International Conference on Information and Software Technologies (ICIST 2016), Druskininkai, Lithuania, October, 2016
202. Member of the Steering Committee, 10th International Symposium on Intelligent Distributed Computing (IDC'2016), Paris, France, October, 2016
203. Member of the Program Committee, 20th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October, 2016
204. Member of the Program Committee, 11<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2016), San Sebastian, Spain, October, 2016
205. Member of the Program Committee, Tenth International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2016), Venice, Italy, October, 2016
206. Member of the Program Committee, 3rd Multidisciplinary International Social Networks Conference (MISNC), Kean University, NJ, September, 2016
207. Co-Chair, Federated Conference on Computer Science and Information Systems (FedCSIS'2016), Gdańsk, Poland, September, 2016
208. Co-Chair, 6<sup>th</sup> Workshop on Applications of Software Agents (WASA), Halkidiki, Greece, September, 2016
209. Co-Chair, Workshop on Agent Based Computing: from Model to Implementation, (ABC:MI'16), Gdańsk, Poland, September, 2016
210. Co-Chair, Workshop on Scalable Computing (WSC'16), Gdańsk, Poland, September, 2016
211. Member of the Program Committee, 3<sup>rd</sup> NAFOSTED Conference on Information and Computer Science (NICS), Da Nang, Vietnam, September, 2016
212. Member of the Program Committee, DEXA 2016, Porto, Portugal, September, 2016
213. Member of the Program Committee, International Conference on Information and Digital Technologies (IDT 2016), Rzeszów, Poland, July, 2016
214. Member of the Program Committee, 2nd IEEE International Conference on Internet of People, Toulouse, France, July, 2016
215. Member of the Program Committee, 14th International Conference on Practical Applications of Agents and Multiagent Systems, Sevilla, Spain, June, 2016
216. Member of the Program Committee, Second International Conference on Event-Based Control, Communication and Signal Processing (EBCCSP 2016), Kraków, Poland, June, 2016

217. Member of the Program Committee, Sixth International Symposium on Business Modeling and Software Design (BMSD), Rhodes, Greece, June, 2016
218. Member of the Program Committee, 25<sup>th</sup> IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE-2016), Paris, France, June, 2016
219. Member of the Program Committee, Numerical Computations: Theory and Algorithms (NUMTA), Pizzo Callabro, Italy, June, 2016
220. Member of the Program Committee, Multi-agent based Applications for Sustainable Energy Systems (MASGES), Sevilla, Spain, June, 2016
221. Member of the Program Committee, International Conference on Computational Science (ICCS 2016), San Diego, CA, June, 2016
222. Member of the Program Committee, The Eleventh International Conference on Internet and Web Applications and Services (ICIW 2016), Valencia, Spain, May, 2016
223. Member of the Program Committee, AAMAS 2016, Singapore, May, 2016
224. Member of the Program Committee, 1<sup>st</sup> International Workshop on Interoperability, Integration, and Interconnection of Internet of Things Systems (I4T 2016), Berlin, Germany, April, 2016
225. Member of the Program Committee, 7<sup>th</sup> Advanced Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS'16), Lisbon, Portugal, April, 2016
226. Member of the Program Committee, 10<sup>th</sup> IEEE International Symposium on Service Oriented System Engineering (SOSE-2016), Oxford, UK, March-April, 2016
227. Member of the Program Committee, 3<sup>rd</sup> International Conference on Big Data and Smart City, Muscat, Oman, March, 2016
228. Member of the Program Committee, 8<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016), Da Nang, Vietnam, March, 2016
229. Member of the Program Committee, 3<sup>rd</sup> International Conference on Control, Decision and Information Technologies (CODIT), Malta, March, 2016
230. Member of the Program Committee, SMARTER EUROPE, Essen, Germany, February, 2016
231. Member of the Program Committee, 3<sup>rd</sup> International Conference on Computing, Management and Telecommunications (ComManTel 2015), DaNang, Vietnam, December, 2015
232. Member of the Program Committee, 7<sup>th</sup> International Conference on Computer Science and its Applications (CSA-15), Cebu, Philippines, December, 2015
233. Member of the Program Committee, 7<sup>th</sup> International Symposium on Parallel Architectures, Algorithms and Programming (PAAP), Nanjing, China, December, 2015
234. Member of the Program Committee, 13<sup>th</sup> International Conference on Frontiers of Information Technology (FIT'15), Islamabad, Pakistan, December, 2015
235. Member of the Program Committee, Third International Conference on Agreement Technologies (AT 2015), Athens, Greece, December, 2015
236. Member of the Program Committee, 2nd International Conference on "Electrical Electronics Instrumentation and Computer Communication," Karpagam, India, December, 2015
237. Member of the Program Committee, 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, Kraków, Poland, November, 2015
238. Member of the Program Committee, 7<sup>th</sup> International Conference on Management of Emergent Digital EcoSystems (MEDES), Sao Paulo, Brasil, October, 2015

239. Member of the Program Committee, 21<sup>st</sup> International Conference on Information and Software Technologies (ICIST 2015), Druskininkai, Lithuania, October, 2015
240. Member of the Program Committee, 19th International Conference on System Theory, Control and Computing, Fundata, Romania, October, 2015
241. Member of the Program Committee, 7th International Conference ICT Innovations 2015, Ohrid, Macedonia, October, 2015
242. Member of the Program Committee, Fourth International Conference on Intelligent Systems and Applications (INTELLI), St. Julians, Malta, October, 2015
243. Member of the Steering Committee, 9th International Symposium on Intelligent Distributed Computing (IDC'2015), Guimarães, Portugal, October, 2015
244. Member of the Program Committee, Tenth International Multi-Conference on Computing in the Global Information Technology (ICCGI), St. Julians, Malta, October, 2015
245. Member of the Program Committee, 13<sup>th</sup> German Conference on Multi-Agent System Technologies (MATES), Cottbus, Germany, September-October, 2015
246. Member of the Program Committee, IEEE AFRICON 2015 Conference, Addis Ababa, Ethiopia, September, 2015
247. Member of the Program Committee, 2<sup>nd</sup> NAFOSTED Conference on Information and Computer Science (NICS), Ho Chi Minh City, Vietnam, September, 2015
248. Member of the Program Committee, 19th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, Singapore, September, 2015
249. Member of the Program Committee, Second International Afro-European Conference for Industrial Advancement (AECIA), Villejuif, France, September, 2015
250. Member of the Program Committee, 8th International Conference on Internet and Distributed Computing Systems (IDCS 2015), Windsor, Berkshire, UK, September, 2015
251. Member of the Program Committee, Sixth Conference on Internet Technologies and Applications (ITA 15), Wrexham, UK, September, 2015
252. Co-Chair, 5<sup>th</sup> Workshop on Applications of Software Agents (WASA), Craiova, Romania, September, 2015
253. Co-Chair, Workshop on Agent Based Computing: from Model to Implementation, (ABC:MI'15), Łódź, Poland, September, 2015
254. Co-Chair, Workshop on Scalable Computing (WSC'15), Łódź, Poland, September, 2015
255. Co-Chair, Federated Conference on Computer Science and Information Systems (FedCSIS'2015), Łódź, Poland, September, 2015
256. Member of the Program Committee, DEXA 2015, Valencia, Spain, September, 2015
257. Member of the Program Committee, 2<sup>nd</sup> Multidisciplinary International Social Networks Conference, Matsuyama, Japan, September, 2015
258. Member of the Program Committee, Eleventh International Conference on Parallel Processing and Applied Mathematics (PPAM 2015), Kraków, Poland, September, 2015
259. Member of the Program Committee, 2<sup>nd</sup> Workshop on Numerical Algorithms on Hybrid Architectures, Kraków, Poland, September, 2015
260. Member of the Program Committee, International Conference on Information and Digital Technologies (IDT 2015), Rzeszów, Poland, July, 2015
261. Member of the Program Committee, Ninth International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2015), Nice, France, July, 2015

262. Member of the Program Committee, First International Conference on Event-Based Control, Communication, and Signal Processing, Kraków, Poland, June, 2015
263. Member of the Program Committee, Multi-agent based Applications for Sustainable Energy Systems (MASGES), Salamanca, Spain, June, 2015
264. Member of the Program Committee, 10<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2015), Burgos, Spain, June, 2015
265. Member of the Program Committee, BMSD - the International Symposium on Business Modeling and Software Design, Rhodes, Greece, June, 2015
266. Member of the Program Committee, 18<sup>th</sup> International Conference on Business Information Systems (BIS 2015), Poznań, Poland, June, 2015
267. Member of the Program Committee, International Conference on Computational Science (ICCS 2015), Reykjavik, Iceland, June, 2015
268. Member of the Program Committee, 20<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS20-2015), Bucharest, Romania, May, 2015
269. Member of the Program Committee, International Workshop on Agent Technology for Ambient Intelligence, Bucharest, Romania, May, 2015
270. Member of the Program Committee, 7<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2015), Bali, Indonesia, April, 2015
271. Member of the Program Committee, Tools, Applications and Implementations of Methods for Determining Similarities Between Documents (TAIM4DSBD), Warsaw, Poland, April, 2015
272. Member of the Program Committee, 9<sup>th</sup> IEEE International Symposium on Service Oriented System Engineering (SOSE-2015), San Francisco, CA, March-April, 2015
273. Member of the Program Committee, 8<sup>th</sup> International Conference on Evolutionary Multi-Criterion Optimization, Guimaraes, Portugal, March-April, 2015
274. Member of the Program Committee, 29<sup>th</sup> IEEE International Conference on Advanced Information Networking and Applications (AINA-15), Gwangju, Korea, March, 2015
275. Member of the Program Committee, Sixth International Conference on Computational Logics, Algebras, Programming, Tools, and Benchmarking (COMPUTATION TOOLS 2015), Nice, France, March, 2015
276. Member of the Program Committee, Fourth International Conference on Parallel, Distributed, Grid and Cloud Computing for Engineering (PARENG 2015), Dubrovnik, Croatia, March, 2015
277. Member of the Program Committee, SMARTER EUROPE, Essen, Germany, February, 2015
278. Member of the Program Committee, International Workshop on Smart Medical Devices - from Lab to Clinical Practice (SmartMedDev 2015), Lisbon, Portugal, January, 2015
279. Member of the Program Committee, 8<sup>th</sup> International Workshop on Information Filtering and Retrieval (DART 2014), Pisa, Italy, December, 2014
280. Member of the Program Committee, International Online Conference on Information Science and Management (ISM 2014), December, 2014
281. Member of the Program Committee, First International Afro-European Conference for Industrial Advancement (AECIA), Addis Ababa, Ethiopia, November, 2014
282. Member of the Program Committee, 5<sup>th</sup> Workshop on Applications for Multi-Core Architectures, Paris, France, October, 2014



283. Member of the Program Committee, IEEE Colloquium in Information Science and Technology (CIST'14), Tetuan, Morocco, October, 2014
284. Member of the Program Committee, 18<sup>th</sup> International Conference on System Theory, Control and Computing, Sinaia, Romania, October, 2014
285. Member of the Program Committee, 12<sup>th</sup> German Conference on Multi-Agent System Technologies (MATES), Stuttgart, Germany, September, 2014
286. Member of the Program Committee, DEXA 2014, Munich, Germany, September, 2014
287. Member of the Steering Committee, 8<sup>th</sup> International Symposium on Intelligent Distributed Computing (IDC'2014), Madrid, Spain, September, 2014
288. Member of the Program Committee, 18<sup>th</sup> International Conference on Knowledge-Based & Intelligent Information & Engineering Systems, Gdynia, Poland, September, 2014
289. Member of the Program Committee, The 2014 Multidisciplinary International Social Networks Conference, Kaohsiung, Taiwan, September, 2014
290. Member of the Program Committee, 20<sup>th</sup> International Conference on Information and Software Technologies (ICIST 2014), Kaunas, Lithuania, September, 2014
291. Member of the Program Committee, Workshop on Federated Future Internet and Distributed Cloud Testbeds 2014, Karlskrona, Sweden, September, 2014
292. Co-Chair, Federated Conference on Computer Science and Information Systems (FedCSIS'2014), Warsaw, Poland, September, 2014
293. Member of the Program Committee, 7<sup>th</sup> International Conference on Internet and Distributed Computing Systems (IDCS 2014), Calabria, Italy, September, 2014
294. Member of the Program Committee, Intelligent Systems IS'14, Warsaw, Poland, September, 2014
295. Co-Chair, 10th Workshop on Agent Based Computing: from Model to Implementation, (ABC:MI'14), Warsaw, Poland, September, 2014
296. Co-Chair, 3<sup>rd</sup> Workshop on Scalable Computing in Distributed Systems (SCoDiS'14), Warsaw, Poland, September, 2014
297. Co-chair, 8<sup>th</sup> Workshop on Large Scale Computing on Grids (LaSCoG 2014), Warsaw, Poland, September, 2014
298. Member of the Program Committee, 2014 International Conference on Adaptive and Intelligent Systems (ICAIS'14), Bournemouth, UK, September, 2014
299. Member of the Program Committee, IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Beijing, China, August, 2014
300. Member of the Program Committee, International Workshop on Social Network Analysis and Mining using Digital Technology (SNAM-DT), Niagara Falls, Canada, August, 2014
301. Member of the Program Committee, 4<sup>th</sup> International Conference on Logistics, Informatics and Systems Science (LISS'2014), Berkeley, CA, July, 2014
302. Member of the Program Committee, Tenth International Conference on Digital Technologies (DT 2014), Zilina, Slovakia, July, 2014
303. Member of the Program Committee, 2014 IEEE International Symposium of Parallel Architectures, Algorithms and Programming (PAAP), Beijing, China, July, 2014
304. Member of the Program Committee, 2014 International Conference on Computational Science and its Applications (ICCSA 2014), Guimaraes, Portugal, June-July, 2014
305. Member of the Program Committee, 1<sup>st</sup> International Workshop on Developing and Applying Agent Frameworks, Hasselt, Belgium, June, 2014

306. Member of the Program Committee, 3<sup>rd</sup> International Conference on Cloud Computing and eGovernance (ICCCEG2014), Saigon, Vietnam, June, 2014
307. Co-Chair, 4<sup>th</sup> Workshop on Applications of Software Agents (WASA), Thessaloniki, Greece, June, 2014
308. Member of the Program Committee, Ninth International Multi-Conference on Computing in the Global Information Technology, Seville, Spain, June, 2014
309. Member of the Program Committee, 9<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2014), Bilbao, Spain, June, 2014
310. Member of the Program Committee, Multi-agent based Applications for Sustainable Energy Systems (MASGES), Salamanca, Spain, June, 2014
311. Member of the Program Committee, Third International Conference on Intelligent Systems and Applications, Seville, Spain, June, 2014
312. Member of the Program Committee, International Conference on Computational Science (ICCS 2014), Cairns, Australia, June, 2014
313. Member of the Program Committee, International Conference on Information Engineering, Management and Security, Hyderabad, India, May, 2014
314. Member of the Program Committee, The 5th International Workshop on Multi-Agent Systems and Collaborative Technologies (I-MASC 2014), Minneapolis, MN, May, 2014
315. Member of the Program Committee, 17<sup>th</sup> International Conference on Business Information Systems (BIS 2014), Larnaca, Cyprus, May, 2014
316. Member of the Program Committee, International Symposium on Real-time Natural User Interface and Natural User eXperience (RN2 2014), Zhangjiajie, China, May, 2014
317. Member of the Program Committee, 2014 International Symposium on Information and Communication Technology, Zhangjiajie, China, May, 2014
318. Member of the Program Committee, 8<sup>th</sup> International Symposium on Service-Oriented System Engineering (SOSE 2014), Oxford, UK, April, 2014
319. Member of the Program Committee, 10<sup>th</sup> International Conference on Web Information Systems and Technologies, Barcelona, Spain, April, 2014
320. Member of the Program Committee, 9<sup>th</sup> International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Lisbon, Portugal, April, 2014
321. Member of the Program Committee, 6<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2014), Bangkok, Thailand, April, 2014
322. Member of the Program Committee, SMARTER EUROPE, Essen, Germany, February, 2014
323. Member of the Program Committee, Information Filtering and Retrieval: Novel Distributed Systems and Applications (DART 2013), Turin, Italy, December, 2013
324. Member of the Program Committee, 5<sup>th</sup> FTRA International Conference on Computer Science and its Applications (CSA-13), Danang, Vietnam, December, 2013
325. Member of the Program Committee, International Symposium on Ubiquitous Computing and Embedded Systems (UCES-13), Danang, Vietnam, December, 2013
326. Member of the Program Committee, 13<sup>th</sup> IEEE International Conference on Computer and Information Technology, Sydney, Australia, December, 2013
327. Member of the Program Committee, First International Conference on Innovative Trends in Electronics Communication and Applications (ICIECA), Puducherry, India, December, 2013

328. Member of the Program Committee, Thirteen International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2013), Taipei, Taiwan, December, 2013
329. Member of the Program Committee, Software Engineering and Security of Systems (SoftSec 2013), Szczecin, Poland, November, 2013
330. Co-Chair, 3<sup>rd</sup> Workshop on Applications of Software Agents (WASA), Sinaia, Romania, October, 2013
331. Member of the Program Committee, 17<sup>th</sup> International Conference on System Theory, Control and Computing, Sinaia, Romania, October, 2013
332. Member of the Program Committee, 4<sup>th</sup> International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN-2013), Niagara Falls, Canada, October, 2013
333. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), Luxembourg, Luxembourg, October, 2013
334. Member of the Program Committee, Fifth International Workshop on Multi-Agent Systems Technology and Semantics (MASTS 2013), Prague, Czech Republic, September, 2013
335. Co-chair, 11<sup>th</sup> German Conference on Multi-Agent System Technologies (MATES), Koblenz, Germany, September, 2013
336. Co-chair, Joint Agent Workshops in Synergy (JAWS), Koblenz, Germany, September, 2013
337. Member of the Program Committee, Conference on Internet Technologies and Applications (ITA 13), Wrexham, UK, September, 2013
338. Member of the Program Committee, Congress of Young IT Scientists, Szczecin, Poland, September, 2013
339. Member of the Program Committee, 17<sup>th</sup> International Conference on Knowledge-Based & Intelligent Information & Engineering Systems, Kitakyushu, Japan, September, 2013
340. Member of the Program Committee, Information Technologies (IT 2013), Kaunas, Lithuania, September, 2013
341. Member of the Steering Committee, 7<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2013, Prague, Czech Republic, September, 2013
342. Member of the Program Committee, 8<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2013), Salamanca, Spain, September, 2013
343. Member of the Program Committee, Tenth International Conference on Parallel Processing and Applied Mathematics (PPAM 2013), Warsaw, Poland, September, 2013
344. Co-Chair, Federated Conference on Computer Science and Information Systems, Kraków, Poland, September, 2013
345. Member of the Program Committee, Second International Conference on Agreement Technologies (AT 2013), Beijing, China, August, 2013
346. Member of the Program Committee, IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Niagara Falls, Canada, August, 2013
347. Member of the Program Committee, DEXA 2013, Prague, Czech Republic, August, 2013
348. Member of the Program Committee, Eights International Multi-Conference on Computing in the Global Information Technology, Venice, Italy, July, 2013
349. Member of the Program Committee, 8<sup>th</sup> International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Eseo, France, July, 2013
350. Member of the Program Committee, International Conference on Computational Science (ICCS 2013), Barcelona, Spain, June, 2013

351. Member of the Program Committee, 9<sup>th</sup> International Conference on Large-Scale Scientific Computations, Sozopol, Bulgaria, June, 2013
352. Member of the Program Committee, 2013 International Conference on Computational Science and its Applications (ICCSA 2013), Ho Chi Min City, Vietnam, June-July, 2013
353. Member of the Program Committee, 2<sup>nd</sup> International Conference on Cloud Computing and eGovernance (ICCCEG2013), Dubai, UAE, June, 2013
354. Member of the Program Committee, 16<sup>th</sup> International Conference on Business Information Systems (BIS 2013), Poznan, Poland, June, 2013
355. Member of the Program Committee, 6<sup>th</sup> International Conference on Information Technology, Amman, Jordan, May, 2013
356. Member of the Program Committee, Multi-agent based Applications for Sustainable Energy Systems (MASGES), Salamanca, Spain, May, 2013
357. Member of the Program Committee, International Workshop on Agent Technology for Ambient Intelligence, Bucharest, Romania, May, 2013
358. Member of the Program Committee, 8<sup>th</sup> International Conference on Grid and Pervasive Computing (GPC 2013), Seoul, Korea, May 2013
359. Member of the Program Committee, First International Conference on Intelligent Systems and Applications (INTELLI), Venice, Italy, April, 2013
360. Member of the Program Committee, Third International Conference on Parallel, Distributed, Grid and Cloud Computing for Engineering (PARENG 2013), Pecs, Hungary, March, 2013
361. Member of the Program Committee, 5<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2013), Kuala Lumpur, Malaysia, March, 2013
362. Member of the Program Committee, International Conference on Human Machine Interaction (HMI2013), Chennai, India, March, 2013
363. Member of the Program Committee, 21<sup>st</sup> Euromicro Conference on Parallel, Distributed and Network based Processing, Belfast, Northern Ireland, February-March, 2013
364. Member of the Program Committee, Thirteen International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2012), Beijing, China, December, 2012
365. Member of the Program Committee, 2012 Conference on Grid and Distributed Computing, Kangwondo, Korea, December 2012\*
366. Member of the Program Committee, 2012 IEEE International Symposium of Parallel Architectures, Algorithms and Programming, Taipei, Taiwan, December, 2012
367. Member of the Program Committee, 17<sup>th</sup> Online World Conference on Soft Computing in Industrial Applications (WSC17), December, 2012
368. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), Addis Ababa, Ethiopia, October, 2012
369. Member of the Program Committee, IEEE Colloquium in Information Science and Technology (CIST'12), Fez, Morocco, October, 2012
370. Member of the Program Committee, Tenth German Conference on Multi-Agent System Technologies (MATES), Trier, Germany, October, 2012
371. Member of the Program Committee, Information Filtering and Retrieval: Novel Distributed Systems and Applications - DART 2012, Barcelona, Spain, October, 2012
372. Member of the Program Committee, First International Conference on Agreement Technologies (AT 2012), Dubrovnik, Croatia, October, 2012

373. Member of the Program Committee, Fourth International Workshop on Multi-Agent Systems Technology and Semantics (MASTS 2012), Calabria, Italy, September, 2012
374. Member of the Steering Committee, 6<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2012, Calabria, Italy, September, 2012
375. Member of the Program Committee, Agents for Cloud Workshop, Calabria, Italy, September, 2012
376. Member of the Program Committee, 3<sup>rd</sup> International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2012), Kaohsiung City, Taiwan, September, 2012
377. Co-Chair, Federated Conference on Computer Science and Information Systems, Wrocław, Poland, September, 2012
378. Co-Chair, Workshop on Agent Based Computing: from Model to Implementation (ABC:MI), Wrocław, Poland, September, 2012
379. Member of the Program Committee, 2<sup>nd</sup> Workshop on Modeling Multi-commodity Trade: Data Models and Processing, Poznan, Poland, September, 2012
380. Member of the Program Committee, 7<sup>th</sup> International Conference on Soft Computing Models in Industrial and Environmental Applications, Ostrava, Czech Republic, September, 2012
381. Co-Chair, 2<sup>nd</sup> Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, September, 2012
382. Member of the Program Committee, 5<sup>th</sup> Balkan Conference in Informatics, Novi Sad, Serbia, September, 2012
383. Member of the Program Committee, DEXA 2012, Vienna, Austria, September, 2012
384. Member of the Program Committee, Information Technologies (IT 2012), Kaunas, Lithuania, September, 2012
385. Member of the Program Committee, IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Istanbul, Turkey, August, 2012
386. Member of the Program Committee, Second International Symposium on Business Modeling and Software Design, Geneva, Switzerland, July, 2012
387. Member of the Program Committee, 2<sup>nd</sup> International Conference on Logistics, Informatics and Service Science, Beijing, China, July, 2012
388. Member of the Program Committee, IADIS International Conference Theory and Practice in Modern Computing, Lisbon, Portugal, July, 2012
389. Member of the Program Committee, Workshop on Semantic Web/Grid Information and Services Discovery and Management (SWISM 2012), Palermo, Italy, July, 2012
390. Member of the Program Committee, International Conference on Enterprise Information Systems (ICEIS'2012), Wrocław, Poland, June-July, 2012
391. Member of the Program Committee, Seventh International Multi-Conference on Computing in the Global Information Technology, Venice, Italy, June, 2012
392. Member of the Program Committee, International Conference on Web Intelligence, Mining and Semantics (WIMS'12), Craiova, Romania, June, 2012
393. Member of the Program Committee, 7<sup>th</sup> FTRA International Conference on Future Information Technology (FutureTech 2012), Vancouver, Canada, June, 2012
394. Member of the Program Committee, 7<sup>th</sup> International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Wrocław, Poland, June, 2012
395. Member of the Program Committee, International Conference on Computational Science (ICCS 2012), Omaha, Nebraska, USA, June, 2012

396. Member of the Program Committee, ACS 2012 Multi-Conference, Międzyzdroje, Poland, May-June, 2012
397. Member of the Program Committee, 7<sup>th</sup> International Conference on Grid and Pervasive Computing (GPC 2012), Hong Kong, China, May 2012
398. Member of the Program Committee, 15<sup>th</sup> International Conference on Business Information Systems (BIS 2012), Vilnius, Lithuania, May, 2012
399. Member of the Program Committee, First International Conference on Intelligent Systems and Applications (INTELLI), April-May, 2012, Chamonix, France
400. Member of the Program Committee, Workshop on Agents and Multi-agent systems for Enterprise Integration (ZOCO 2012), Salamanca, Spain, March, 2012
401. Member of the Program Committee, 4th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2012), Kaohsiung, Taiwan, March, 2012
402. Member of the Program Committee, 20th Euromicro Conference on Parallel, Distributed and Network based Processing, Garching, Germany, February, 2012
403. Member of the Program Committee, International Conference on Computer Applications (ICCA '12), Pondicherry, India, January, 2012
404. Member of the Program Committee, 2011 Symposium on Grid and Distributed Computing (GDC 2011), Jeju Island, Korea, December, 2011
405. Member of the Program Committee, IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2011), Dallas, TX, December, 2011
406. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), San Francisco, CA, November, 2011
407. Member of the Program Committee, 16<sup>th</sup> Online World Conference on Soft Computing in Industrial Applications (WSC16), November, 2011
408. Member of the Program Committee, 11<sup>th</sup> International Conference on Intelligent Systems Design and Applications (ISDA'11), Cordoba, Spain, November, 2011
409. Member of the Program Committee, 2011 IEEE ICEBE Conference, Beijing, China, October, 2011
410. Member of the Program Committee, International Conference on Advanced Computing and Applications, Ho Chi Minh City, Vietnam, October, 2011
411. Member of the Program Committee, Ninth German Conference on Multi-Agent System Technologies (MATES), Berlin, Germany, October, 2011
412. Member of the Program Committee, Third International Workshop on Multi-Agent Systems Technology and Semantics (MASTS 2011), Delft, Netherlands, October, 2011
413. Member of the Steering Committee, 5<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2011, Delft, Netherlands, October, 2011
414. Member of the Program Committee, Special Session on Software Technologies for Intelligent Collaborative Systems (STIX), Sinaia, Romania, October, 2011
415. Member of the Program Committee, 13th International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC11), Timisoara, Romania, September, 2011
416. Member of the Program Committee, Information Filtering and Retrieval: Novel Distributed Systems and Applications - DART 2011, Palermo, Italy, September, 2011
417. Member of the Program Committee, 8th Workshop on Agents for Complex Systems, Timisoara, Romania, September, 2011
418. Co-Chair, Federated Conference on Computer Science and Information Systems, Szczecin, Poland, September, 2011

419. Co-Chair, Workshop on Agent Based Computing: from Model to Implementation, Szczecin, Poland, September, 2011
420. Co-chair, 7<sup>th</sup> Workshop on Large Scale Computing on Grids (LaSCoG 2011), Szczecin, Poland, September, 2011
421. Co-chair, Agent-Based Computing: from Model to Implementation VIII (ABC:MI'11), Szczecin, Poland, September, 2011
422. Member of the Program Committee, The 2nd International Conference on Ambient Systems, Networks and Technologies, Niagara Falls, Canada, September, 2011
423. Member of the Program Committee, Conference on Internet Technologies and Applications (ITA 11), Wrexham, UK, September, 2011
424. Member of the Program Committee, 5<sup>th</sup> International Workshop on New Challenges in Distributed Information Filtering and Retrieval, Palermo, Italy, September, 2011
425. Member of the Program Committee, Ninths International Conference on Parallel Processing and Applied Mathematics (PPAM 2011), Toruń, Poland, September, 2011
426. Member of the Program Committee, DEXA 2011, Toulouse, France, August-September, 2011
427. Member of the Program Committee, 2011 International Conference on Adaptive and Intelligent Systems (ICAIS'11), Klagenfurt, Austria, September, 2011
428. Member of the Program Committee, 11th IEEE International Conference on Computer and Information Technology, Paphos, Cyprus, August-September, 2011
429. Member of the Program Committee, First International Symposium on Business Modeling and Software Design, Sofia, Bulgaria, July, 2011
430. Co-Chair, Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, July, 2011
431. Member of the Program Committee, Workshop on Semantic Web/Grid Information and Services Discovery and Management (SWISM 2011), Seoul, Korea, June-July, 2011
432. Member of the Program Committee, 8<sup>th</sup> International Conference on "Large-Scale Scientific Computation," Sozopol, Bulgaria, June, 2011
433. Member of the Program Committee, International Conference on Computational Science 2011 (ICCS 2011), Singapore, Singapore, June, 2011
434. Member of the Program Committee, 14<sup>th</sup> International Conference on Business Information Systems (BIS 2011), Poznan, Poland, June, 2011
435. Member of the Program Committee, International Conference on Enterprise Information Systems (ICEIS'2011), Beijing, China, June, 2011
436. Member of the Program Committee, 1<sup>st</sup> International Conference on Logistics, Informatics and Systems Science (LISS'2011), Beijing, China, June, 2011
437. Member of the Program Committee, 2011 International Conference on Computational Science and its Applications (ICCSA 2011), Santander, Spain, June, 2011
438. Member of the Program Committee, 6th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Beijing, China, June, 2011
439. Member of the Program Committee, 2011 International Workshop on Ubiquitous Healthcare and Application, Busan, Korea, May, 2011
440. Member of the Program Committee, 5<sup>th</sup> International Conference on Information Technology, Amman, Jordan, May, 2011
441. Member of the Program Committee, IEEE EuroCon 2011, Lisbon, Portugal, April, 2011

442. Member of the Program Committee, 3rd Asian Conference on Intelligent Information and Database Systems (ACIIDS 2011), Daegu, Korea, April, 2011
443. Member of the Program Committee, First International Conference on Parallel, Distributed and Grid Computing for Engineering, Ajaccio, France, April, 2011
444. Member of the Program Committee, Information Technologies (IT 2011), Kaunas, Lithuania, April, 2011
445. Member of the Program Committee, 25<sup>th</sup> IEEE International Conference on Advanced Information Networking and Applications (AINA-11), Singapore, March, 2011
446. Member of the Program Committee, 19<sup>th</sup> Euromicro Conference on Parallel, Distributed and Network based Processing, Aiyia Napa, Cyprus, February, 2011
447. Member of the Program Committee, 10<sup>th</sup> IASTED International Conference on Parallel and Distributed Computing and Networks (PDCN 2011), Innsbruck, Austria, February, 2011
448. Member of the Program Committee, 5<sup>th</sup> International ICST Conference on Bio-Inspired Models of Network, Information, and Computing Systems (BIONETICS'2010), Boston, MA, December, 2010
449. Member of the Program Committee, FTRA 2010 international Workshop on U-Healthcare Technologies and Services (U-Healthcare 2010), Gwangju, Korea, December, 2010
450. Member of the Advisory Committee, 10<sup>th</sup> International Conference on Intelligent Systems Design and Applications (ISDA'10), Cairo, Egypt, November-December, 2010
451. Member of the Program Committee, 2010 IEEE ICEBE Conference, Shanghai, China, November, 2010
452. Member of the Program Committee, 2010 Symposium on Grid and Distributed Computing (GDC 2010), Cebu City, Philippines, November, 2010
453. Member of the Program Committee, 15<sup>th</sup> Online World Conference on Soft Computing in Industrial Applications (WSC15), November, 2010
454. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), Bangkok, Thailand, October, 2010
455. Co-chair, 6<sup>th</sup> Workshop on Large Scale Computing on Grids (LaSCoG 2010), Wisła, Poland, October, 2010
456. Co-chair, Agent-Based Computing VII (ABC'10), Wisła, Poland, October, 2010
457. Co-chair, 2010 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2010
458. Member of the Steering Committee, 4<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2010, Tangier, Morocco, September, 2010
459. Member of the Program Committee, Seventh German Conference on Multi-Agent System Technologies (MATES), Hamburg, Germany, September, 2010
460. Member of the Program Committee, 12<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC10), Timisoara, Romania, September, 2010
461. Member of the Program Committee, 7<sup>th</sup> Workshop on Agents for Complex Systems, Timisoara, Romania, September, 2010
462. Member of the Program Committee, DEXA 2010, Bilbao, Spain, August-September, 2010
463. Member of the Program Committee, 2010 IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA), Taipei, Taiwan, August, 2010
464. Member of the Program Committee, The 3<sup>rd</sup> International Conference on Human-centric Computing (HumanCom-10), Cebu, Philippines, August, 2010



465. Member of the Program Committee, 10<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS'10), Atlanta, GA, August, 2010
466. Member of the Program Committee, IEEE International Conference on Information Reuse and Integration 2010 (IRI10), Las Vegas, NV, August, 2010
467. Member of the Program Committee, First International Workshop on Service-Oriented Computing and Multi-Agent Systems, Miami, FL, July, 2010
468. Member of the Student Track Program Committee, The South Eastern European Multi-Agent Systems Summer School Bucharest, Romania, July, 2010
469. Member of the Program Committee, 9th International Symposium on Parallel and Distributed Computing (ISPDC'10), Istanbul, Turkey, July, 2010
470. Member of the Program Committee, 5th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Piraeus, Greece, July, 2010
471. Member of the Program Committee, International Conference on Enterprise Information Systems (ICEIS'2010), Funchal, Portugal, June, 2010
472. Member of the Program Committee, International Conference on Computational Science 2010 (ICCS 2010), Amsterdam, Netherlands, May-June, 2010
473. Member of the Program Committee, First Workshop on Infrastructures and Tools for Multiagent Systems (ITMAS), Toronto, Canada, May, 2010
474. Member of the Program Committee, Service-Oriented Computing: Agents, Semantics, And Engineering (SOCASE), Toronto, Canada, May, 2010
475. Member of the Program Committee, 13<sup>th</sup> International Conference on Business Information Systems (BIS 2010), Berlin, Germany, May, 2010
476. Member of the Advisory Committee, Second Russia-Taiwan symposium on Methods and Tools of Parallel Programming of Multicomputers (MTPP-2010), Vladivostok, Russia, May, 2010
477. Member of the Program Committee, Information Technologies 2010 (IT 2010), Kaunas, Lithuania, April, 2010
478. Member of the Program Committee, International Conference on Advanced Computing and Applications, Ho Chi Minh City, Vietnam, March, 2010
479. Member of the Program Committee, 7th International Conference on Informatics and Systems (INFOS2010), Cairo, Egypt, March, 2010
480. Member of the Program Committee, 2<sup>nd</sup> Asian Conference on Intelligent Information and Database Systems – ACIIDS 2010, Hue City, Vietnam, March, 2010
481. Member of the Program Committee, 2010 International Conference on Computational Science and Its Applications (ICCSA 2010), Fukuoka, Japan, March, 2010
482. Member of the Program Committee, 18<sup>th</sup> Euromicro Conference on Parallel, Distributed and Network based Processing, Pisa, Italy, February, 2010
483. Member of the Program Committee, Workshop on Semantic Web/Grid Information and Services Discovery and Management (SWISM 2010), Krakow, Poland, February, 2010
484. Member of the Program Committee, IASTED International Conference on Parallel and Distributed Computing and Networks (PDCN 2010), Innsbruck, Austria, February, 2010
485. Member of the Program Committee, Ninth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2009), Hiroshima, Japan, December, 2009
486. The 8<sup>th</sup> International Conference on Pervasive Intelligence and Computing, Chengdu, China, December 2009

487. Member of the Program Committee, 2009 Symposium on Grid and Distributed Computing (GDC 2009), Jeju Island, Korea, December, 2009
488. Member of the Steering Committee, 9<sup>th</sup> International Conference on Intelligent Systems Design and Applications (ISDA'09), Pisa, Italy, November, 2009
489. Member of the Program Committee, 14<sup>th</sup> Online World Conference on Soft Computing in Industrial Applications (WSC14), November, 2009
490. Member of the Program Committee, Grid Computing, High-performance and Distributed Applications (GADA'09), Monterrey, Mexico, November, 2009
491. Member of the Program Committee, International Conference on Knowledge Intensive Multi-Agent Systems, St Louis, MO, October, 2009
492. Member of the Program Committee, 2009 IEEE ICEBE Conference, Macau, China, October, 2009
493. Member of the Steering Committee, International Symposium on Intelligent and Distributed Computing - IDC'2009, Aiya Napa, Cyprus, October, 2009
494. Member of the Program Committee, International Conference on Management of e-Commerce and e-Government (ICMeCG2009), Nanchang, China, October, 2009
495. Co-organizer, Agent-Based Computing VI (ABC'09), Wisła, Poland, October, 2009
496. Member of the Organizing Committee, 2009 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2009
497. Member of the Program Committee, Seventh German Conference on Multi-Agent System Technologies (MATES), Hamburg, Germany, September, 2009
498. Member of the Program Committee, Workshop on Nature Inspired Methods In Knowledge Based Systems, Santiago, Chile, September, 2009
499. Member of the Program Committee, 11<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASCO9), Timisoara, Romania, September, 2009
500. Co-organizer, Workshop on Large Scale Computations on Grids (LaSCoG'2009), Wrocław, Poland, September, 2009
501. Member of the Program Committee, Sejmik Młodych Informatyków, Międzyzdroje, Poland, September, 2009
502. Member of the Program Committee, Eighth International Conference on Parallel Processing and Applied Mathematics (PPAM 2009), Wrocław, Poland, September, 2009
503. Member of the Program Committee, 1<sup>st</sup> International Conference on Adaptive and Intelligent Systems (ICAIS'09), Klagenfurt, Austria, September, 2009
504. Member of the Program Committee, Conference on Internet Technologies and Applications (ITA 09), Wrexham, UK, September, 2009
505. Member of the Program Committee, 3<sup>rd</sup> Austrian Grid Symposium, Linz, Austria, September, 2009
506. Member of the Program Committee, DEXA 2009, Linz, Austria, August-September, 2009
507. Member of the Program Committee, The 2009 IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA), Chengdu, China, August, 2009
508. Member of the Program Committee, IEEE International Conference on Information Reuse and Integration 2009 (IRI09), Las Vegas, NV, August, 2009
509. Member of the Program Committee, 2009 International Conference on Computational Science and Its Applications (ICCSA 2009), Seoul, Korea, June-July, 2009
510. Member of the Program Committee, 8<sup>th</sup> International Symposium on Parallel and Distributed Computing (ISPDC'09), Lisbon, Portugal, June-July, 2009

511. Member of the Program Committee, 9<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2009), Taipei, Taiwan, June, 2009
512. Member of the Organizing Committee, Workshop/Summer school on Algorithms and Techniques for Scheduling on Clusters and Grids (ASTEC 2009), Centre CNRS "Les Plantiers," France, June, 2009
513. Member of the Program Committee, 7<sup>th</sup> International Conference on "Large-Scale Scientific Computation," Sozopol, Bulgaria, June, 2009
514. Member of the Program Committee, International Conference on Computational Science 2009 (ICCS 2009), Baton Rouge, LA, May, 2009
515. Member of the Program Committee, 23<sup>rd</sup> IEEE International Conference on Advanced Information Networking and Applications (AINA-09), Bradford, UK, May, 2009
516. Member of the Program Committee, International Conference on Enterprise Information Systems (ICEIS'2009), Milan, Italy, May, 2009
517. Member of the Program Committee, 4<sup>th</sup> International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Milan, Italy, May, 2009
518. Member of the Program Committee, 4<sup>th</sup> International Conference on Grid and Pervasive Computing, Genève, Switzerland, May, 2009
519. Member of the Program Committee, First International Conference on Parallel, Distributed and Grid Computing for Engineering, Pecs, Hungary, April, 2009
520. Member of the Program Committee, 1<sup>st</sup> Asian Conference on Intelligent Information and Database Systems – ACIIDS 2009, Quang Binh, Vietnam, April, 2009
521. Member of the Program Committee, Workshop on Social Aspects of the Web (SAW 2009), Poznań, Poland, April, 2009
522. Member of the Program Committee, 12<sup>th</sup> International Conference on Business Information Systems (BIS 2009), Poznań, Poland, April, 2009
523. Member of the Program Committee, International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2009), Fukuoka, Japan, March, 2009
524. Member of the Program Committee, 4<sup>th</sup> Int. Conf. on Intelligent Computing and Information Systems, Cairo, Egypt, March, 2009
525. Member of the Program Committee, 2<sup>nd</sup> International Conference on Business Process and Services Computing (BPSC 2009), Leipzig, Germany, March, 2009
526. Member of the Program Committee, 17<sup>th</sup> Euromicro Conference on Parallel, Distributed and Network based Processing, Weimar, Germany, February, 2009
527. Member of the Program Committee, 2008 IEEE International Symposium on Parallel and Processing and Applications (ISPA'08), Sydney, Australia, December, 2008
528. Member of the Program Committee, Eighth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2008), Dunedin, New Zealand, December, 2008
529. Member of the Program Committee, Grid Computing, High-performance and Distributed Applications (GADA'08), Monterrey, Mexico, November, 2008
530. Member of the Program Committee, 7<sup>th</sup> International Conference on Intelligent Systems Design and Applications (ISDA'08), Kaohsiung, Taiwan, November, 2008
531. Member of the Program Committee, 2008 IEEE ICEBE Conference, X'ian, China, October, 2008
532. Member of the Program Committee, 23<sup>rd</sup> International Symposium on Computer and Information Sciences (ISCIS2008), Istanbul, Turkey, October, 2008

533. Member of the Program Committee, International Conference on Management of e-Commerce and e-Government (ICMeCG2008), Nanchang, China, October, 2008
534. Member of the Program Committee, Fifth IEEE International Conference on Soft Computing as Transdisciplinary Science and Technology (CSTST'08), Paris, France, October, 2008
535. Co-organizer, 4<sup>th</sup> Workshop on Large Scale Computing on Grids (LaSCoG 2008), Wisła, Poland, October, 2008
536. Co-organizer, Agent-Based Computing V (ABC'08), Wisła, Poland, October, 2008
537. Co-organizer, 2008 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2008
538. Member of the Program Committee, XXIII Fall Meeting of the Polish Information Processing Society, Wisła, Poland, October, 2008
539. Member of the Program Committee, 10<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC08), Timisoara, Romania, September, 2008
540. Member of the Program Committee, Sixth International Conference on Applied Mathematics (ICAM6), Baia Mare, Romania, September, 2008
541. Member of the Program Committee, 8<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS'08), Barcelona, Spain, September, 2008
542. Member of the Steering Committee, International Symposium on Intelligent and Distributed Computing - IDC'2007, Catania, Italy, September, 2008
543. Member of the Program Committee, IEEE International Conference on Information Reuse and Integration 2008 (IRI08), Las Vegas, NV, July, 2008
544. Member of the Program Committee, International Conference on Computational Science and Applications (ICCSAC 2008), Perugia, Italy, July, 2008
545. Member of the Program Committee, 7<sup>th</sup> International Symposium on Parallel and Distributed Computing (ISPDC'08), Kraków, Poland, July, 2008
546. Member of the Program Committee, International Conference on Computational and Mathematical Methods in Science and Engineering (CMMSE 2008), La Manga del Mar Menor, Spain, June, 2008
547. Co-organizer, Workshop on Grid and Scientific and Engineering Applications (Grid&SEA), Sozopol, Bulgaria, June, 2008
548. Member of the Program Committee, 8<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2008), Ayia Napa, Cyprus, June, 2008
549. Member of the Program Committee, 34<sup>th</sup> International Conference "Applications of Mathematics in Engineering and Economics" (AMEE'08), Sozopol, Bulgaria, June, 2008
550. Member of the Program Committee, Session on Adaptive Networked Systems and Media, Wrocław, Poland, June, 2008
551. Member of the Program Committee, 8<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing, Ayia Napa, Cyprus, June, 2008
552. Member of the Program Committee, 10<sup>th</sup> International Conference on Enterprise Information Systems, Barcelona, Spain, June, 2008
553. Member of the Program Committee, International Conference on Computational Science (ICCS 2008), Kraków, Poland, June, 2008
554. Member of the Program Committee, Information Technologies 2008' (IT 2008), Kaunas, Lithuania, April, 2008

555. Member of the Program Committee, Workshop on Social Aspects of the Web (SAW 2008), Innsbruck, Austria, April, 2008
556. Member of the Program Committee, 11<sup>th</sup> International Conference on Business Information Systems (BIS 2008), Innsbruck, Austria, April, 2008
557. Member of the Program Committee, 41<sup>st</sup> Annual Simulation Symposium (ANSS'2008), Ottawa, Canada, April, 2008
558. Member of the Program Committee, First International Workshop on MOBILE and DIStributed approaches in Emergency Scenarios (MODIES), Tampere, Finland, January, 2008
559. Member of the Program Committee, 3<sup>rd</sup> IFIP International Symposium on Network Centric Ubiquitous Systems (NCUS 2007), Taipei, Taiwan, December, 2007
560. Member of the Program Committee, Eighth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2007), Adelaide, Australia, December, 2007
561. Member of the Program Committee, International Conference on Parallel and Distributed Systems (ICPADS'2007), Hsinchu, Taiwan, December, 2007
562. Member of the Program Committee, Eighth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2007), Adelaide, Australia, December, 2007
563. Member of the Program Committee, 22<sup>nd</sup> International Symposium on Computer and Information Sciences, Ankara, Turkey, November, 2007
564. Member of the Program Committee, IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2007), Cambridge, MA, November, 2007
565. Member of the Program Committee, 3<sup>rd</sup> Language & Technology Conference, Poznań, Poland, October, 2007
566. Co-organizer, Agent-Based Computing IV (ABC'07), Wisła, Poland, October, 2007
567. Member of the Organizing Committee, 2007 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2007
568. Member of the Program Committee, XXII Fall Meeting of the Polish Information Processing Society, Wisła, Poland, October, 2007
569. Co-Chair, International Symposium on Intelligent and Distributed Computing (IDC'2007), Craiova, Romania, October, 2007
570. Member of the Program Committee, 7<sup>th</sup> International Conference on Intelligent Systems Design and Applications (ISDA'07), Rio de Janeiro, Brazil, October, 2007
571. Member of the Program Committee, Grid Computing, High-performance and Distributed Applications (GADA'07), Iberian Peninsula, Spain, October, 2007
572. Member of the Program Committee, 3<sup>rd</sup> IEEE ICEBE Conference, Hong Kong, China, October, 2007
573. Member of the Program Committee, Workshop on Java for Mobility (Ja4Mo), Lisbon, Portugal, September, 2007
574. Member of the Program Committee, 4<sup>th</sup> Workshop on Agents for Complex Systems, Timisoara, Romania, September, 2007
575. Member of the Program Committee, 9<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASCO7), Timisoara, Romania, September, 2007

576. Member of the Program Committee, 7<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS'07), and 5<sup>th</sup> Conference on Neuro-Computing and Evolving Intelligence (NCEI'06), Kaiserslautern, Germany, September, 2007
577. Member of the Program Committee, 8<sup>th</sup> IEEE/ACM International Conference on Grid Computing (Grid 2007), Austin, TX, September, 2007
578. Member of the Program Committee, 1<sup>st</sup> International Conference on Business Process and Services Computing (BPSC 2007), Leipzig, Germany, September, 2007
579. Member of the Program Committee, First Russia-Taiwan symposium on Methods and Tools of Parallel Programming of Multicomputers (MTPP-2007), Pereslavl-Zalessky, Russia, September, 2007
580. Member of the Program Committee, Recommender Agents and Adaptive Web-based Systems, Vietri sul Mare, Italy, September, 2007
581. Member of the Program Committee, 4<sup>th</sup> International Conference on Grid Service Engineering and Management (GSEM 2007), Leipzig, Germany, September, 2007
582. Publications Chair, IEEE Cluster 2007, Austin, TX, September, 2007
583. Co-organizer, Workshop on Large Scale Computations on Grids (LaSCoG'2007), Gdańsk, Poland, September, 2007
584. Member of the Program Committee, Seventh International Conference on Parallel Processing and Applied Mathematics (PPAM 2007), Gdańsk, Poland, September, 2007
585. Member of the Program Committee, Second International Workshop on Semantic and Grid Computing (SGC-07), Niagara Falls, Canada, September, 2007
586. Member of the Program Committee, International Conference on Computational Science and Applications (ICCSAC 2007), Kuala Lumpur, Malaysia, August, 2007
587. Member of the Program Committee, Conference on Complex Open Distributed Systems (CODS'2007), Chengdu, China, July, 2007
588. Member of the Program Committee, 8<sup>th</sup> International Conference on Natural Computing, Salt Lake City, UT, July, 2007
589. Member of the Program Committee, 33<sup>rd</sup> International Conference "Applications of Mathematics in Engineering and Economics" (AMEE'07), Sozopol, Bulgaria, June, 2007
590. Member of the Program Committee, International Workshop on Ubiquitous and Decentralized User Modeling (UbiDeUM'2007), Corfu, Greece, June, 2007
591. Member of the Program Committee, 7<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2007), Hangzhou, China, June, 2007
592. Member of the Program Committee, 9<sup>th</sup> International Conference on Enterprise Information Systems, Funchal, Portugal, June, 2007
593. Member of the Program Committee, 1<sup>st</sup> KES International Symposium on Agent and Multi-agent Systems – Technologies and Applications (KES-AMSTA-07), Wrocław, Poland, May-June, 2007
594. Member of the Program Committee, International Conference on Computational Science (ICCS 2007), Beijing, China, May, 2007
595. Member of the Program Committee, 2<sup>nd</sup> International Conference on Grid and Pervasive Computing, Paris, France, May, 2007
596. Member of the Program Committee, Workshop on Social Aspects of the Web (SAW 2007), Poznań, Poland, April, 2007
597. Member of the Program Committee, 10<sup>th</sup> International Conference on Business Information Systems (BIS 2007), Poznań, Poland, April, 2007

598. Co-chair, Special Track on Agents, Interactions, Mobility, and Systems (AIMS), during the 22nd ACM Symposium on Applied Computing (SAC 2007), Seoul, South Korea, March, 2007
599. Member of the Program Committee, Information and Communication Technologies International Symposium (ICTIS'2007), Fez, Morocco, March, 2007
600. Member of the Program Committee, IEEE International Parallel and Distributed Processing Symposium Long Beach, CA, March, 2007
601. Member of the Program Committee, 40<sup>th</sup> Annual Simulation Symposium (ANSS'2007), Norfolk, VA, March, 2007
602. Member of the Program Committee, 15<sup>th</sup> Euromicro Conference on Parallel, Distributed and Network based Processing, Naples, Italy, February, 2007
603. Member of the Program Committee, 6<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS'06), and 4<sup>th</sup> Conference on Neuro-Computing and Evolving Intelligence (NCEI'06), Auckland, New Zealand, December, 2006
604. Member of the Program Committee, HiPC, Bangalore, India, December, 2006
605. Vice-Chair, Seventh International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2006), Taipei, Taiwan, December, 2006
606. Member of the Program Committee, Fourth International Symposium on Parallel and Processing and Applications (ISPA'06), Sorrento, Italy, December, 2006
607. Co-organizer, Workshop on Large Scale Computations on Grids (LaSCoG'2006), Wisła, Poland, November, 2006
608. Co-organizer, Agent-Based Computing III (ABC'06), Wisła, Poland, November, 2006
609. Chair of the Organizing Committee, First International Multiconference on Computer Science and Information Technology, Wisła, Poland, November, 2006
610. Vice-Chair, XXI Fall Meeting of the Polish Information Processing Society, Wisła, Poland, November, 2006
611. Member of the Program Committee, IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2006), Dallas, TX, November, 2006
612. Member of the Program Committee, Grid Computing, High-performance and Distributed Applications (GADA'06), Montpellier, France, October-November, 2006
613. Member of the Program Committee, Workshop: Nature Imitation Methods – Theory and Practice (NIM 2006), Jinan, China, October, 2006
614. Member of the Advisory Committee, 6th International Conference on Intelligent Systems Design and Applications (ISDA2006), Jinan, China, October, 2006
615. Member of the Program Committee, Fourth Biennial International Conference on Advances in Information Systems (ADVIS'2006), Izmir, Turkey, October, 2006
616. Member of the Program Committee, 2<sup>nd</sup> IEEE ICEBE Conference, Shanghai, China, October, 2006
617. Co-organizer, (Multi-)Agent Systems in E-Business: Concepts, Technologies and Applications (MASEB'2006), Invited Session during KES'2006 Conference, Bournemouth, UK, October, 2006
618. Member of the Program Committee, 2<sup>nd</sup> Austrian Grid Symposium, Innsbruck, Austria, September, 2006
619. Member of the Program Committee, International Conference on Computational and Mathematical Methods in Science and Engineering (CMMSE 2006), Madrid, Spain, September, 2006

620. Member of the Program Committee, Fifth International Workshop on Algorithms, Models and Tools for Parallel Computing on Heterogeneous Networks (HeteroPar'06), Barcelona, Spain, September, 2006
621. Member of the Program Committee, Fifth International Conference on Applied Mathematics (ICAM5), Baia Mare, Romania, September, 2006
622. Member of the Program Committee, 4<sup>th</sup> International Workshop on Parallel Matrix Algorithms and Applications (PMAA'06), Rennes, France, September, 2006
623. Member of the Program Committee, 3<sup>rd</sup> Workshop on Agents for Complex Systems, Timisoara, Romania, September, 2006
624. Member of the Program Committee, 8<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC06), Timisoara, Romania, September, 2006
625. Member of the Program Committee, Advanced Concepts for Intelligent Vision Systems (ACIVS'2006), Antwerp, Belgium, September, 2006
626. Member of the Program Committee, Ubiquitous User Modeling Workshop, Riva Del Garda, Italy, August, 2006
627. Member of the Program Committee, 2<sup>nd</sup> IFIP International Symposium on Network Centric Ubiquitous Systems (NCUS 2006), Seoul, South Korea, August, 2006
628. Member of the Program Committee, Workshop on Web Services-based Grid Applications (WSGA), Columbus, OH, August, 2006
629. Member of the Program Committee, 5<sup>th</sup> International Symposium on Parallel and Distributed Computing (ISPDC'06), Timisoara, Romania, July, 2006
630. Member of the Program Committee, Twelfth International Conference on Parallel and Distributed Systems (ICPADS'06), Minneapolis, MN, July, 2006
631. Member of the Program Committee, 9<sup>th</sup> International Conference on Business Information Systems (BIS 2006), Klagenfurt, Austria, June, 2006
632. Member of the Program Committee, International Conference on Communications in Computing (CIC 2006), Las Vegas, NV, June, 2006
633. Member of the Program Committee, International Conference on Computational Science (ICCS 2006), Reading, UK, May, 2006
634. Publicity Co-Chair, 6th IEEE International Symposium on Cluster Computing and the Grid (CCGrid'2006), Singapore, Singapore, May, 2006
635. Member of the Program Committee, High Performance Computing & Simulation (HPC&S'06), Bonn, Germany, May, 2006
636. Member of the Senior Program Committee, 8<sup>th</sup> International Conference on Enterprise Information Systems (ICEIS), Paphos, Cyprus, May, 2006
637. Member of the Program Committee, 2006 International Conference on Computational Science and its Applications (ICCSA 2006), Glasgow, UK, May, 2006
638. Co-chair, Special Track on Agents, Interactions, Mobility, and Systems (AIMS), during the 21st ACM Symposium on Applied Computing (SAC 2006), Dijon, France, April, 2006
639. Member of the Program Committee, IEEE International Conference on Engineering of Intelligent Systems (ICEIS'2006), Islamabad, Pakistan, April, 2006
640. Member of the Program Committee, 39<sup>th</sup> Annual Simulation Symposium (ANSS'2006), Huntsville, AL, April, 2006
641. Member of the Scientific Committee, IADIS International Conference Applied Computing 2006, San Sebastian, Spain, February, 2006



642. Member of the Program Committee, 14<sup>th</sup> Euromicro Conference on Parallel, Distributed and Network based Processing, Montbéliard-Sochaux, France, February, 2006
643. Member of the Program Committee, 1<sup>st</sup> Austrian Grid Symposium, Schloss Hagenberg, Austria  
December, 2005
644. Member of the Program Committee, IFIP International Symposium on Network-Centric Ubiquitous Systems (NCUS 2005), Nagasaki, Japan, December, 2005
645. Member of the Program Committee, 4<sup>th</sup> International Conference on Computer & Information Systems (ICCIS'2005), Kolhapur, India, December, 2005
646. Member of the Program Committee, International Conference on Information Technology (ICIT 2005), Istanbul, Turkey, December, 2005
647. Member of the Program Committee, Sixth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2005), Dalian, China, December, 2005
648. Member of the Program Committee, HPC-Asia, Beijing, China, November-December, 2005
649. Member of the Program Committee, 5<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS 2005), Rio de Janeiro, Brazil, November, 2005
650. Member of the Program Committee, IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2005), Phoenix, AZ, November, 2005
651. Member of the Program Committee, VIII International Conference, Enterprise Management, Theory and Practice, Kraków, Poland, November, 2005
652. Member of the International Program Committee, INFORMATION SOCIETY 2005, 8<sup>th</sup> International Multiconference, Ljubljana, Slovenia, October, 2005
653. Member of the Program Committee, 6<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP-2005), Melbourne, Australia, October, 2005
654. Member of the Program Committee, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation (SINTES 12), Craiova, Romania, October, 2005
655. Member of the Advisory Board, 2005 IEEE International Conference on e-Business Engineering (ICEBE 2005), Beijing, China, October, 2005
656. Member of the Program Committee, International Conference on Computer and Information Sciences (CIS 2005), Istanbul, Turkey, October, 2005
657. Member of the Program Committee, Advanced Concepts for Intelligent Vision Systems (ACIVS'05), Antwerp, Belgium, September, 2005
658. Co-organizer, Workshop on Large Scale Computations on Grids (LaSCoG), a part of the PPAM'2005 Conference, Poznań, Poland, September, 2005
659. Member of the Program Committee, 6<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM'2005), Poznań, Poland, September, 2005
660. Co-Chair, 5<sup>th</sup> International Conference on Intelligent Systems Design and Applications, Wrocław, Poland, September, 2005
661. Member of the Program Committee, 7<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASCO5), Timisoara, Romania, September, 2005
662. Member of the Program Committee, Workshop on Algorithms and Tools for Parallel Computing on Heterogeneous Clusters (Heteropar'05), Boston, MA, September, 2005
663. Member of the Program Committee, Informatics for Environmental Protection, Brno, Czech Republic, September, 2005

664. Publications Chair, International Conference on Next Generation Web Services Practices (NWeSP'05), Seoul, Korea, August, 2005
665. Member of the Program Committee, International Conference on Communication and Information Technologies (CIT 2005), Istanbul, Turkey, August, 2005
666. Member of the Program Committee, International Symposium on Parallel and Distributed Computing (ISPDC), Lille, France, July, 2005
667. Member of the Program Committee, Workshop on Web and Grid Services for Scientific Data Analysis (WAGSSDA), Oslo, Norway, June, 2005
668. Member of the Scientific Committee, International Conference on Computational and Mathematical Methods in Science and Engineering (CMMSE 2005), Alicante, Spain, June, 2005
669. Member of the Program Committee, Sixth International Conference on Communications in Computing (CIC'2005), Las Vegas, NV, June, 2005
670. Member of the Program Committee, International Conference on Bioinformatics (ICBI 2005), Istanbul, Turkey, June, 2005
671. Member of the Program Committee, The 2005 High Performance Computing & Simulation (HPC&S) Conference, Riga, Latvia, June, 2005
672. Member of the Program Committee, Information and Communication Technologies International Symposium (ICTIS'2005), Tetuan, Morocco, June, 2005
673. Member of the Program Committee, The Fourth IEEE International Workshop on Soft Computing as Transdisciplinary Science and Technology (WSTST'05), Muroran, Japan, May, 2005
674. Co-organizer, Agent-Based Computing II (ABC'05), Cancun + Tetuan + Melbourne, May-October, 2005
675. Member of the Program Committee, 4<sup>th</sup> International Interdisciplinary Conference on Electronic Commerce (ECOM-05), Gdańsk, Poland, April, 2005
676. Member of the Program Committee, 7<sup>th</sup> International Conference on Enterprise Information Systems, Miami, FL, May, 2005
677. Member of the Program Committee, International Conference on Computational Science and its Applications (ICCSA 2005), Singapore, Singapore, May, 2005
678. Member of the Program Committee, International Conference on Computational Science (ICCS 2005), Atlanta, GA, May, 2005
679. Publicity Co-Chair, 5th IEEE International Symposium on Cluster Computing and the Grid (CCGrid'2005), Cardiff, UK, May, 2005
680. Co-organizer, Special Track on Intelligent Agent Systems: Theory, Design and Implementation, during the 18<sup>th</sup> International FLAIRS Conference, Clearwater Beach, FL, May, 2005
681. Member of the Program Committee, Information Assurance and Security (IAS'05), Las Vegas, NV, April, 2005
682. Member of the Program Committee, 38<sup>th</sup> Annual Simulation Symposium (ANSS'2005), San Diego, CA, April, 2005
683. Member of the Program Committee, 8<sup>th</sup> International Conference on Business Information Systems (BIS 2005), Poznań, Poland, April, 2005
684. Member of the Program Committee, 2<sup>nd</sup> Language & Technology Conference, Poznań, Poland, April, 2005

685. Member of the Program Committee, International Conference on Electronic Commerce and Internet Technologies (ECIT 2005), Istanbul, Turkey, April, 2005
686. Co-chair, Special Track on Agents, Interactions, Mobility, and Systems (AIMS), during the 20th ACM Symposium on Applied Computing (SAC 2005), Santa Fe, NM, March, 2005
687. Member of the Program Committee, International Conference on Software and Knowledge Engineering (SKE 2005), Istanbul, Turkey, February, 2005
688. Member of the Scientific Committee, IADIS International Conference Applied Computing 2005, Algarve, Portugal, February, 2005
689. Member of the Program Committee, International Conference on Information Technology (ICIT 2004), Istanbul, Turkey, December, 2004
690. Member of the Program Committee, International Conference on Computational Intelligence (ICCI 2004), Istanbul, Turkey, December, 2004
691. Member of the Program Committee, 4<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS 2004), Kitakyushu, Japan, December, 2004
692. Member of the Program Committee, Fifth International Conference on Parallel and Distributed Computing, Applications, and Technologies (PDCAT 2004), Singapore, Singapore, December, 2004
693. Member of the Organizing Committee, 20<sup>th</sup> Mrągowo Meeting of the Polish Information Society, Mrągowo, Poland, November, 2004
694. Member of the Program Committee, 3rd International workshop on Parallel Matrix Algorithms and Applications (PMAA'04), Marseille, France, October, 2004
695. Member of the Program Committee, Third Biennial International Conference on Advances in Information Systems (ADVIS'2004), Izmir, Turkey, October, 2004
696. Member of the International Program Committee, Sixth Multiconference "Information Society" IS'2004, Ljubljana, Slovenia, October, 2004
697. Member of the Conference Committee, International Conference on Computer Vision and Graphics 2004, Warsaw, Poland September, 2004
698. Member of the Program Committee, 6<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC04), Timisoara, Romania, September, 2004
699. Member of the Program Committee, 4<sup>th</sup> International Conference on Applied Mathematics, Baia Mare, Romania, September, 2004
700. Member of the Program Committee, Workshop on Multi-agent Systems, Ontologies and Conflict Resolution (MASOCR), Wellington, New Zealand, September, 2004
701. Member of the Advisory Committee, IEEE International Conference on e-Commerce Technology for Dynamic E-Business (CEC04-EAST), Beijing, China, September, 2004
702. Member of the Program Committee, Advanced Concepts for Intelligent Vision Systems (ACIVS'04), Brussels, Belgium, August-September, 2004
703. Member of the Program Committee, Intelligent Systems Design and Applications (ISDA'2003) Conference, Budapest, Hungary, August, 2004
704. Member of the Program Committee, Workshop on Algorithms and Tools for Parallel Computing on Heterogeneous Clusters (Heteropar04), Cork, Ireland, July, 2004
705. Member of the Program Committee, International Symposium on Parallel and Distributed Computing (ISPDC), Cork, Ireland, July, 2004
706. Member of the Program Committee, The International Workshop Series on "Autonomous Computing and Agents for Business Automation" Research & Development, USA + New Zealand + The Netherlands, June-October, 2004

707. Member of the Program Committee, Fifth International Conference on Communications in Computing (CIC'2004), Las Vegas, NV, June, 2004
708. Member of the Program Committee, International Conference on Computational Science (ICCS), Krakow, Poland, June, 2004
709. Member of the International Program Committee, High Performance Computing & Simulation (HPC&S) Conference, Magdeburg, Germany, June, 2004
710. Member of the Program Committee, Special Track on Intelligent Agent Systems: Theory, Design and Implementation, during the 17<sup>th</sup> International FLAIRS Conference, Miami Beach, FL, May, 2004
711. Member of the Program Committee, Information Assurance and Security (IAS 2004), Las Vegas, NV, April, 2004
712. Member of the Program Committee, 7<sup>th</sup> International Conference on Business Information Systems (BIS 2004), Poznań, Poland, April, 2004
713. Member of the Program Committee, 37<sup>th</sup> Annual Simulation Symposium (ANSS'2004), Arlington, VA, April, 2004
714. Member of the Scientific Committee, 5<sup>th</sup> WSEAS International Conference on Neural Networks and Applications (NNA '04) (held jointly with Conferences on Fuzzy Sets & Fuzzy Systems (FSFS '04) and Evolutionary Computations (EC '04)), Udine, Italy, March, 2004
715. Co-chair, Special Track on Agents, Interactions, Mobility, and Systems (AIMS), during the 19th ACM Symposium on Applied Computing (SAC 2004), Nicosia, Cyprus, March, 2004
716. Member of the Program Committee, International Conference on Management of e-Commerce and e-Government (ICMeCG), Nanchang, China, October, 2003
717. Member of the Program Committee, International Conference on Applied Artificial Intelligence, Pune, India, December, 2003
718. Member of the Program Committee, 3<sup>rd</sup> International Conference on Hybrid Intelligent Systems (HIS 2003), Melbourne, Australia, December, 2003
719. Member of the Program Committee, 3<sup>rd</sup> International Interdisciplinary Conference on Electronic Commerce (ECOM-03), Gdańsk, Poland, October, 2003
720. Chairman, 2<sup>nd</sup> International Symposium on Parallel and Distributed Computing (ISPDC), Ljubljana, Slovenia, October, 2003
721. Member of the International Program Committee, Sixth Multiconference "Information Society" IS'2003, Ljubljana, Slovenia, October, 2003
722. Member of the Program Committee, The 5<sup>th</sup> Workshop on High Performance Scientific and Engineering Computing with Applications (HPSECA-01), Kaohsiung, Taiwan, ROC, October, 2003
723. Member of the Program Committee, 5<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM'2003), Częstochowa, Poland, September, 2003
724. Member of the Program Committee, Workshop on Algorithms and Tools for Parallel Computing on Heterogeneous Clusters, Częstochowa, Poland, September, 2003
725. Member of the Program Committee, Advanced Concepts for Intelligent Vision Systems (ACIVS'03), Ghent, Belgium, September, 2003
726. Member of the Program Committee, Fourth International Conference on Parallel and Distributed Computing, Applications, and Technologies (PDCAT 2003), Chengdu, China, August, 2003

727. Member of the International Program Committee, Third International Scientific School "Modeling and Analysis of Safety and Risk in Complex Systems" (MASR – 2003), Saint-Petersburg, Russia, August, 2003
728. "Software Agents," Stream Chair, Intelligent Systems Design and Applications (ISDA'2003) Conference, Tulsa, OK, August, 2003
729. Member of the Program Committee, Agent-Based Computing 2003 (ABC'03), Orlando, FL, July, 2003
730. Member of the Program Committee, International Workshop: Agents for Business Automation (ABA'2003), Las Vegas, NV, June, 2003
731. Member of the Program Committee, The 2003 International Conference on Information and Knowledge Engineering (IKE'03), Las Vegas, NV, June, 2003
732. Member of the Program Committee, Fourth International Conference on Communications in Computing (CIC'2003), Las Vegas, NV, June, 2003
733. Member of the International Scientific Committee, 4<sup>th</sup> International Conference on "Large-Scale Scientific Computation," Sozopol, Bulgaria, June, 2003
734. Software Agents in Business Information Systems (SABIS), Special Session during the BIS 2003 Conference, Colorado Springs, CO, June, 2003
735. Special Sessions Coordinator and Member of the Program Committee, 6<sup>th</sup> International Conference on Business Information Systems (BIS 2003), Colorado Springs, CO, June, 2003
736. Member of the Program Committee, Third International Workshop on "Agent Based Cluster and Grid Computing", at the IEEE International Symposium on Cluster Computing and the Grid (CCGrid'2003), May 2003, Tokyo, Japan
737. Member of the Program Committee, The 4<sup>th</sup> Workshop on Parallel and Distributed Scientific and Engineering Computing with Applications (PDSECA-03), Nice, France, April, 2003
738. Member of the Program Committee, 36<sup>th</sup> Annual Simulation Symposium (ANSS'2003), Orlando, FL, March/April, 2003
739. Co-chair, Special Track on Agents, Interactions, Mobility, and Systems (AIMS), during the 18th ACM Symposium on Applied Computing (SAC 2003), Melbourne, FL, March, 2003
740. Member of the Scientific Committee, 4<sup>th</sup> WSEAS International Conference on Neural Networks and Applications (NNA '03) (held jointly with Conferences on Fuzzy Sets & Fuzzy Systems (FSFS '03) and Evolutionary Computations (EC '03)), Lanzarote Island, Spain, February, 2003
741. Member of the Program Committee, Second Biennial International Conference on Advances in Information Systems (ADVIS'2002), Izmir, Turkey, October, 2002
742. Member of the International Program Committee, Fifth Multiconference "Information Society" IS'2002, Ljubljana, Slovenia, October, 2002
743. Member of the Program Committee, Workshop on Algorithms and Tools for Parallel Computing on Heterogeneous Clusters, Moscow, Russia, October, 2002
744. Member of the Scientific Committee, 3<sup>rd</sup> International Conference on Applied Mathematics, Baia Mare, Romania, October, 2002
745. Member of the Program Committee, 5<sup>th</sup> IEEE International Conference on Algorithms and Architecture for Parallel Processing (ICA3PP'2002), Beijing, China, October, 2002
746. Member of the Program Committee, Third International Conference on Parallel and Distributed Computing, Applications, and Technologies (PDCAT 2002), Kanazawa City, Japan, September, 2002

747. Member of the Program Committee, Advanced Concepts for Intelligent Vision Systems (ACIVS'02), Ghent, Belgium, September, 2002
748. Member of the Program Committee, 4<sup>th</sup> Workshop on High Performance Scientific and Engineering Computing with Applications (HPSECA-02), Vancouver, Canada, August, 2002
749. Member of the Program Committee, 5<sup>th</sup> International Conference on Numerical Methods and Applications: NMA'02, Sofia, Bulgaria, August, 2002
750. Member of the Program Committee, International Symposium on Parallel and Distributed Computing, Iași, Romania, July, 2002
751. Member of the International Program Committee, Second International Scientific School "Modeling and Analysis of Safety and Risk in Complex Systems" (MASR – 2002), Saint-Petersburg, Russia, July, 2002
752. Member of the Program Committee, Third International Conference on Communications in Computing (CIC'2002), Las Vegas, NV, June, 2002
753. Member of the Program Committee, Agents for Business Automation, Cross-conference session at the 2002 International Conference on Internet Computing & 2002 International Conference on Artificial Intelligence, Las Vegas, NV, June, 2002
754. Member of the Program Committee, International Workshop on Object-Oriented Business Solutions (WOBS'02), Poznań, Poland, April, 2002
755. Special Sessions Coordinator and Member of the Program Committee, 5<sup>th</sup> International Conference on Business Information Systems (BIS 2002), Poznań, Poland, April, 2002
756. Member of the Technical Committee, 3<sup>rd</sup> Workshop on Parallel and Distributed Scientific and Engineering Computing with Applications (PDSECA-02), Fort Lauderdale, FL, April, 2002
757. Member of the Program Committee, 35<sup>th</sup> Annual Simulation Symposium (ANSS'2002), Seattle, WA, April, 2002
758. Co-chair, Special Track on Agents, Interactions, Mobility, and Systems (AIMS), during the 17th ACM Symposium on Applied Computing (SAC 2002), Madrid, Spain, March, 2002
759. Member of the Scientific Committee, 3<sup>rd</sup> WSES NNA, FSFS, EC Conferences, Interlaken, Switzerland, February, 2002
760. Member of the International Program Committee, Fourth Multiconference "Information Society" IS'2001, Ljubljana, Slovenia, October, 2001
761. Member of the Scientific Committee, International Conference on Computing and Information Technologies, Montclair State University, Montclair, NJ, October, 2001
762. Publications Co-Chair, IEEE International Conference on Cluster Computing (CLUSTER 2001), Newport Beach, CA, October, 2001
763. Member of the International Scientific Committee, AMTA-MCBC-MCBE-AITA Multiconference, Skiathos Island, Greece, September, 2001
764. Member of the Program Committee, 4<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM'2001), Nałęczów, Poland, September, 2001
765. Member of the Program Committee, 3<sup>rd</sup> Workshop on High Performance Scientific and Engineering Computing with Applications (HPSECA-01), Valencia, Spain, September, 2001
766. Member of the Program Committee, Cluster Computer track, during the Euro-Par 2001, Manchester, UK, August, 2001

767. Member of the Organizing Committee, 3<sup>rd</sup> International Symposium on Advanced Concepts for Intelligent Vision Systems (ACIVS'01), Baden-Baden, Germany, July-August, 2001
768. Member of the Program Committee, Second International Conference on Parallel and Distributed Computing Applications and Technologies (PDCAT'2001), Taipei, Taiwan, July, 2001
769. Member of the International Scientific Committee, 3<sup>rd</sup> International Conference on "Large-Scale Scientific Computation," Sozopol, Bulgaria, June, 2001
770. Member of the Program Committee, International Workshop on Object-Oriented Business Solutions, Budapest, Hungary, June, 2001
771. Member of the Program Committee, Second International Conference on Communications in Computing (CIC'2001), Las Vegas, NV, June, 2001
772. Member of the Program Committee, 14<sup>th</sup> International FLAIRS Conference, Key West, FL, May, 2001
773. Member of the Program Committee, IEEE International Symposium on Cluster and Network Computing, Brisbane, Australia, May, 2001
774. Member of the Program Committee, 2<sup>nd</sup> Workshop on Parallel and Distributed Scientific and Engineering Computing with Applications (PDSECA-01), San Francisco, CA, April, 2001
775. Member of the Program Committee, 34<sup>th</sup> Annual Simulation Symposium (ANSS'2001), Seattle, WA, April, 2001
776. Member of the Scientific Committee, 2001 WSES International Conference on Neural Networks and Applications (NNA '01) (held jointly with Conferences on Fuzzy Sets & Fuzzy Systems (FSFS '01) and Evolutionary Computations (EC '01)), Tenerife, Canary Islands, February, 2001
777. Member of the Program Committee, 4<sup>th</sup> IEEE International Conference on Algorithms and Architecture for Parallel Processing (ICA3PP'2000), Hong Kong, December, 2000
778. Member of the Organizing Committee, 2<sup>nd</sup> Southern Conference on Computing, Hattiesburg, MS, November, 2000
779. Member of the Program Committee, 10<sup>th</sup> International Conference on Computing and Information (ICCI'2000), Kuwait, November, 2000
780. Member of the Program Committee, Advances in Information Systems (ADVIS), Izmir, Turkey, October 2000
781. Member of the International Program Committee, Third Multiconference "Information Society" IS'2000, Ljubljana, Slovenia, October, 2000
782. Member of the Program Committee, Workshop on High Performance Scientific and Engineering Computing with Applications (HPSECA-00), (in conjunction with the 2000 International Conference on Parallel Processing), Toronto, August, 2000
783. Member of the Organizing Committee, International Workshop on Parallel Matrix Algorithms and Applications, Neuchatel, Switzerland, August, 2000
784. Member of the Program Committee, 2<sup>nd</sup> International Symposium on Advanced Concepts for Intelligent Vision Systems (ACIVS'00), (in conjunction with the 12<sup>th</sup> International Conference on Systems Research, Informatics and Cybernetics), Baden-Baden, Germany, July-August, 2000
785. Co-Chairman, 4<sup>th</sup> WSES Multiconference on: Circuits, Systems, Communications and Computers (CSCC 2000), Athens, Greece, July, 2000
786. Member of the Program Committee, International Conference on Communications in Computing (CIC'2000), Las Vegas, NV, June, 2000

787. Member of the Organizing Committee, Second Conference on Numerical Analysis and Applications, Rousse, Bulgaria, June, 2000
788. Member of the Program Committee, Second International Workshop on Scientific Computing and Applications, Kananaskis, Alberta, Canada, May-June, 2000
789. Member of the International Program Committee, Distributed Systems: Optimization and Economic-Environmental Applications, Ekaterinburg, Russia, May-June 2000
790. Member of the Program Committee, First International Conference on Parallel and Distributed Computing Applications and Technologies (PDCAT'2000), Hong Kong, May, 2000
791. Member of the Program Committee, 13<sup>th</sup> International FLAIRS Conference, Orlando, FL, May, 2000
792. Member of the Program Committee, GKPO'98: 6<sup>th</sup> International conference on Computer Graphics and Image Processing, Podlesice, Poland, May, 2000
793. Member of the Program Committee, 4<sup>th</sup> International Conference on Business Information Systems (BIS 2000), Poznań, Poland, April, 2000
794. Member of the Program Committee, International Conference on Parallel and Distributed Computing and Networks (PDCN'99), Hong Kong, December, 1999
795. Member of the Program Committee, 11<sup>th</sup> International Conference on Parallel and Distributed Computing and Systems, Boston, MA, October, 1999
796. Member of the International Program Committee, The "Information Society" Multiconference IS'99, Ljubljana, Slovenia, October, 1999
797. Member of the Technical Committee, Workshop on High Performance Scientific and Engineering Computing with Applications, (in conjunction with the 28<sup>th</sup> International Conference on Parallel Processing), Aizu, Japan, September, 1999
798. Member of the Program Committee, Third International Conference on Parallel Processing and Applied Mathematics (PPAM'99), Kazimierz Dolny, Poland, September, 1999
799. Member of the Program Committee, Special Session on Advanced Concepts for Intelligent Vision Systems, (in conjunction with the 11<sup>th</sup> International Conference on Systems Research, Informatics and Cybernetics), Baden-Baden, Germany, August, 1999
800. Co-Chairman, 3<sup>rd</sup> IMACS International Multiconference on: Circuits, Systems, Communications and Computers (IMACS-CSCC'99), Piraeus, Greece, July, 1999
801. Member of the International Scientific Committee, Second Workshop on Large-Scale Scientific Computation, Sozopol, Bulgaria, June, 1999
802. Member of the Program Committee, 3<sup>rd</sup> International Conference on Business Information Systems (BIS'99), Poznań, Poland, April, 1999
803. Member of the Program Committee, International Conference on Parallel and Distributed Computing and Networks (PDCN'98), Brisbane, Australia, December 1998
804. Organizer and Chairman, First Southern Symposium on Computing, Hattiesburg, MS, December, 1998
805. Member of the International Program Committee, Third IEEE Real-Time Systems Education Workshop, Poznań, Poland, November, 1998
806. Member of the International Program Committee, The "Information Society" Multiconference ISM'98, Ljubljana, Slovenia, October, 1998
807. Member of the Scientific Committee, 2<sup>nd</sup> International Conference on: "Circuits, Systems and Computers" (CSC'98), Piraeus, Greece, October, 1998



808. Member of the Program Committee, , IASTED International Conference on Parallel and Distributed Computing and Systems, Las Vegas, NV, October, 1998
809. Member of the Organizing Committee, 4<sup>th</sup> International Conference on Numerical Methods and Applications: NM&A - O(h<sup>4</sup>)'98, Sofia, Bulgaria, August, 1998
810. Member of the Program Committee, GKPO'98: 5<sup>th</sup> International conference on Computer Graphics and Image Processing, Warszawa, Poland, May, 1998
811. Member of the Program Committee, 2<sup>nd</sup> International Conference on Business Information Systems '98, Poznań, Poland, April, 1998
812. Member of the Organizing Committee, 6<sup>th</sup> International Colloquium on Numerical Analysis and Computer Science with Applications, Plovdiv, Bulgaria, August, 1997
813. Co-organizer, Special Session: "Parallel Algorithms for Sparse Structured Matrix Problems" 1<sup>st</sup> Workshop on Large-Scale Scientific Computations, Varna, Bulgaria, June, 1997
814. Member of the Program Committee, International Conference on Business Information Systems '97, Poznań, Poland, April, 1997
815. Organizer, 1<sup>st</sup> Workshop on Numerical Analysis and Applications, Rousse, June, 1996
816. Organizer, Minisymposium: "High Performance Solution to Structured Linear Systems," ICIAM'95, Hamburg, July, 1995
817. Co-organizer, 1<sup>st</sup> Permian Basin Conference in Algebra and Number Theory, UTPB, March, 1994
818. Organizer and Chairman, Permian Basin Supercomputing Conference, UTPB, March 1992

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#### **Workshops/Tutorials/Panels/Courses Taught:**

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1. "Conference Best Practices", 2019 IEEE Region 10 International Workshop, Madan Mohan Malaviya University of Technology, Gorakhpur, India, September, 2019
2. "Current issues in computing", 5-day course, CHARUSAT University, Anand, India, February, 2018
3. "Plenary Panel", ACIIDS 2017, Kanazawa, Japan, April, 2017
4. "Internet of Things – time to share the power," Night of Architects, Miedzeszyn, Poland, October, 2016
5. "Digital competences." Panelist, Center Copernicus, Warsaw, Poland, May, 2015
6. "Software Agents, Agent Systems and Applications," University of Aizu, Aizu Wakamatsu, Japan, January-March, 2011
7. "Software Agents, Agent Systems and Applications," Hongik University, Seoul, Korea, February, 2011
8. NATO Advanced Studies Institute "Software Agents, Agent Systems and Applications," Tangier, Morocco, September, 2010
9. "Introduction to Software Agents and Agent Systems," Tutorial, 8 hours, Sejmik Młodych Informatyków, Międzyzdroje, Poland, September, 2009
10. "Agents and Agent Systems," Course, 20 hours, Siberian Federal University, Krasnojarsk, Russia, November, 2008
11. "Introduction to Software Agents and Agent Systems," Tutorial, 34th AMEE Conference, Sozopol, Bulgaria, June, 2008
12. "Semantic Web – the Saint or the Sinner," Advocatus Diaboli Panel Session, WEBIST 2008 Conference, Funchal, Portugal, May, 2008
13. "Next Generation Web Systems and Technologies," Panel, WEBIST 2008 Conference, Funchal, Portugal, May, 2008

14. "Agent Systems and Applications," Tutorial, IADIS International Conference on Applied Computing, Algarve, Portugal, April, 2008
15. "Agents and Agent Systems," Course, 12 hours, Southern Illinois University, November, 2007
16. "Agents and Agent Systems," Course, 20 hours, University of Modena, Modena, Italy, May, 2007
17. "Life Under Attack of Impulses; in the World of Information," Panel, Dolnośląski Festival of Science, Wrocław, Poland, September, 2003
18. "Media and Medium," Panel, 3rd Congress of Polish Computer Sciences, Poznań, June, 2003
19. "Internet Travel Agency; E-adventures in the E-world of E-agents," Tutorial, Annual Workshop for the Computer Science Students Association of the Technical University of Wrocław, Szklarska Poręba, Poland, May-June, 2002
20. "Introduction to High Performance Linear Algebra," Tutorial, International Workshop on Parallel Matrix Algorithms and Applications, Neuchatel, Switzerland, August, 2000
21. "Distance Education, Internet Based Courses, and Smart Classroom Teaching," Panel, Fourth Annual Mid-Western Small College Computing Conference, Chicago, IL, September 1997
22. "Introduction to High Performance Computing," Three-day Workshop, Josef Stefan Institute, Ljubljana, Slovenia, June 1994
23. "Introduction to Parallel Computing and Parallel Computing Education," with J. Zalewski, Workshop during the Fifth Annual South Central Small College Computing Conference, Amarillo, TX, April 1994
24. "Introduction to Parallel Computing with Elements of Numerical Linear Algebra," Four-day Workshop, Maria Skłodowska Curie University, Lublin, Poland, June 1993

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### **Papers Presented at Seminars and Conferences:**

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#### **Invited Presentations:**

- Introduction to Robotic Process Automation
  - 23<sup>rd</sup> International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, October, 2019
  - 2019 IEEE International Conference on Computing Power and Communications Technologies, Delhi, India, September, 2019
  - International Conference on Emerging Trends in Information Technology (ICETIT-2019), Delhi, India, June, 2019
- Semantic Technologies in a Decision Support System
  - BG SIAM Annual Meeting, Sofia, Bulgaria, December, 2019
- From Grid, via Cloud to Fog(gy) future in the Internet of Things
  - 4<sup>th</sup> International Conference on Next Generation Computing Technologies, Dehradun, India, November, 2018
  - 3rd International Conference and Workshops on Recent Advances and Innovations in Engineering, Jaipur, India, November, 2018
- Semantic Technologies for Resource Access Management
  - University of Aizu, Aizu-Wakamatsu, Japan, April, 2017
- Towards Semantic Interoperability in the Internet of Things

- Ogólnopolskie Forum GIS Smart City – Skaning i Modele 3D, Warsaw, Poland, October, 2018
- 5<sup>th</sup> International Conference on Control, Decision and Information Technologies, Thessaloniki, Greece, April, 2018
- 21<sup>st</sup> International Conference on System Theory, Control and Computing, Sinaia, Romania, October, 2017
- 3rd International Conference on Advances in Computing, Communication & Automation (ICACCA 2017), Dehradun, India, September, 2017
- Klub Informatyka, Warsaw, Poland, November, 2017
- 3rd International Symposium on Big Data Analytics in Science and Engineering (BASE 2017), Aizu Wakamatsu, Japan, November, 2017
- **Interoperability in the Internet of Things**
  - University of Aizu, Aizu-Wakamatsu, Japan, November, 2016
  - IoT Summit, Warsaw, Poland, October, 2016
- **Autonomous Resource Access in the Internet of Things**
  - 3rd Workshop on Communication Networks and Power Systems, Brasilia, Brazil, November, 2018
  - Malaviya Research Conclave 2018, Madan Mohan Malaviya University of Technology, Gorakhpur, India, July, 2018
  - University of Aizu, Aizu-Wakamatsu, Japan, December, 2015
  - ICIST 2015, Druskininkai, Lithuania, October, 2015
  - 7th International Conference ICT Innovations 2015, Ohrid, Macedonia, October, 2015
- **Combining Software Agents and Semantic Technologies for Resource Management in Computational Grids**
  - Digital Technologies 2014, Zilina, Slovakia, July, 2014
- **Agent-based Monitoring System for Cloud/Grid Computing**
  - Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, July, 2011
- **Generalizing Matrix Multiplication for Efficient Computations on Modern Computers**
  - University of Aizu, Aizu Wakamatsu, Japan, December, 2013
  - Tokyo Denki University, Tokyo, Japan, February, 2013
  - University of Rome “Tor Vergata,” June, 2010
- **Ontologies Agents and the Grid: an Overview**
  - University of Lille, Lille, France, July, 2009
- **Resource Management in Grids: Overview and a discussion of a possible approach for an Agent-Based Middleware**
  - Korea Institute of Science & Technology Information (KISTI), Daejeon, Korea, February, 2011
  - South Eastern European Multi-agent Systems Summer School, Bucharest, Romania, July, 2010
  - Technical University of Bucharest, Bucharest, Romania, May, 2010
  - Stuttgart Supercomputing Center, Stuttgart, Germany, May, 2009
  - First International Conference on Parallel, Distributed and Grid Computing for Engineering, Pecs, Hungary, April, 2009
- **Intelligent Software Agents; Introduction and a Sample Applications**
  - Biznes and Technologies Confrence, Warsaw, Poland, July, 2015
  - University of Opava, Opava, Czech Republic, December, 2014
  - Technical University of Prague, Prague, Czech Republic, September, 2014
  - University of Tsukuba, Tsukuba, Japan, March, 2011

- NATO Advanced Studies Institute “Software Agents, Agent Systems and Applications,” Tangier, Morocco, September, 2010
- Technical University of Bucharest, Bucharest, Romania, May, 2010
- IEEE Tulsa Section, Tulsa, OK, March, 2010
- Second University of Naples, Naples, Italy, September, 2008
- **Content Personalization in Agent Systems – Two Case Studies**
  - Digital Media R&D Center, Samsung Electronics Co., Ltd., Seoul, Korea, July, 2008
- **Software Agents as Resource Managers in Grid**
  - Smart Digital Futures – SDF-15, Sorrento, Italy, June, 2015
  - Supercomputing Center, Russian Academy of Sciences, Moscow, Russia, July, 2009
  - Institute for Parallel Processing, Bulgarian Academy of Sciences, Sofia, Bulgaria, June, 2009
  - University of Graz, Graz, Austria, December, 2008
  - University of Lille, Lille, France, July, 2008
  - Hongik University, Seoul, Korea, July, 2008
- **Agent-based Travel Support System**
  - Hanyang University, Seoul, Korea, July, 2008
- **Introduction to Software Agents and their Applications**
  - Kookmin University, Seoul, Korea, July, 2008
  - Seoul National University, Seoul, Korea, July, 2008
  - Software Agents; Introduction and Grid-based Application
  - Yonsei University, Seoul, Korea, July, 2008
- **Agent-based Virtual Organization**
  - Doshisha University, Kyoto, Japan, March, 2011
  - International Conference “Competitiveness and Stability in the Knowledge-Based Economy,” Craiova, Romania, May, 2010
  - International Conference on Intelligent Agents, Web Technologies and Internet Commerce - IAWTIC08, Vienna, Austria, December, 2008
  - IDC 2008 Conference, Catania, Italy, September, 2008
  - University of Calabria, Cosenza, Italy, September, 2008
  - ICAISC 2008 Conference, Zakopane, Poland, June, 2008
  - WEBIST 2008 Conference, Funchal, Portugal, May, 2008
  - IADIS International Conference on Applied Computing, Algarve, Portugal, April, 2008
- **The Virtual and the Real**
  - Information Technologies in Subject Teaching, Krakow Poland, March, 2010
  - IT Fest, University of Western Timisoara. Timisoara. Romania, March, 2008
- **Managing Trust in an Agent-based Grid resource Brokering System**
  - 33<sup>rd</sup> AMEE Conference, Sozopol, Bulgaria, June, 2007
- **Agent Systems and Applications**
  - Technical University of Sofia, Sofia, Bulgaria, June, 2008
  - Sookmyung Womans University, Seoul, South Korea, January, 2008
  - Hongik University, Seoul, South Korea, January, 2008
  - Hanjang University, Seoul, South Korea, January, 2008
  - Information Days on Advanced Computing, Borovetz, Bulgaria, September, 2007
  - University of Lille, Lille, France, July, 2007
  - Computer Information Systems and Industrial Management Applications, Elk, Poland, June, 2007

- University of Cluj, Cluj-Napoca, Romania, March, 2007
- University of Craiova, Craiova, Romania, March, 2007
- University of Western Timisoara, Timisoara, Romania, March, 2007
- University of Veszprem, Veszprem, Hungary, March, 2007
- **Living in a Virtual World**
  - Information Technology in Knowledge Society, Katowice, Poland, May, 2007
- **It is All About Matchmaking**
  - STAKI Laboratory, Budapest, Hungary, March, 2007
- **Developing a Model E-commerce Agent System**
  - 2<sup>nd</sup> Polish and International PostDoctoral Forum – Computer Science Conference, Smardzewice, Poland, October, 2006
  - University of Maribor, Maribor, Slovenia, October, 2006
  - Primorsko University, Koper, Slovenia, October, 2006
  - Novosibirsk State University, Novosibirsk, Russia, September, 2006
  - Krasnoyarsk Technical University, Krasnoyarsk, Russia, September, 2006
  - Paris 6 University, Paris, France, April, 2006
- **Why to look into data stored in the enterprise?**
  - Nowoczesne Systemy Informatyczne dla Sektora MŚP, Poznań, Poland, May, 2006
- **Interactions with Internet Media**
  - Meeting Premiera 2006, Warsaw, Poland, March, 2006
- **Agent Not So Dangerous**
  - Software Development GigaCon, Warsaw, Poland, March, 2006
- **Can Agent Systems Deliver?**
  - University of Karlsruhe, December, 2005
  - IEEE ICEBE Conference, Beijing, China, October, 2005
- **Constructing Agent Systems**
  - University of Economics, Katowice, Poland, April, 2006
  - 1<sup>st</sup> Polish and International PostDoctoral Forum – Computer Science Conference, Bronisławów, Poland, April, 2005
  - Josef Stefan Institute, Ljubljana, Slovenia, April, 2005
  - University of Florence, Florence, Italy, April, 2005
  - University of Modena, Modena, Italy, April, 2005
- **Overview of Mobile Agent Security**
  - NATO Advanced Research Workshop on Information Security Assurance & Security (NATO ARWISA'05), Tetuan, Morocco, June, 2005
- **Designing Agent Systems**
  - Information and Communication Technologies International Symposium (ICTIS'2005), Tetuan, Morocco, June, 2005
  - Internet as a Platform of Globalization of Commerce, Poznań, Poland, March, 2005
  - IADIS International Conference Applied Computing 2005, Algarve, Portugal, February, 2005
  - Technical University of Lisbon, Lisbon, Portugal, February, 2005
  - Second University of Naples, Caserta, Italy, January, 2005
  - University of Lecce, Lecce, Italy, January, 2005
  - Multimedia and Network Information Systems Conference, Szklarska Poręba, Poland, September, 2004

- **Software Agents Ten Years After**
  - Technical University of Kraków, Kraków, Poland, May, 2004
  - Warsaw University, Warsaw, Poland, May, 2004
- **Let Computer Science be Computer Science**
  - VII All-Polish Forum of Information Technology Educators, Jastrzębia Góra, Poland, April, 2004
- **Software Agents in E-commerce**
  - Internet as a Platform of Globalization of Commerce, Poznań, Poland, January, 2004
- **Agent Systems Today; Methodological Considerations**
  - 2003 International Conference on Management of e-Commerce and e-Government, Nanchang, China, October, 2003
- **Software Agents as a Programming Methodology**
  - National Software Engineering Conference, Szklarska Poręba, Poland, October, 2003
- **Software Agents in the Real World**
  - IADIS International Conference Applied Computing 2004, Lisbon, Portugal, March, 2004
  - 6th Annual Multiconference: Information Society, Ljubljana, Slovenia, October, 2003
- **Software Agents in Information Management**
  - VII National Forum on Scientific and Technical Information, Ustroń, Polska, Wrzesień, 2003
- **Software Agents in Support of E-travel**
  - University College, Cork, Ireland, March, 2003
- **Internet Travel Agency; Selected Issues in Development and Implementation**
  - Technical University of Poznań, March, 2003
  - Computer Science Conference, UMCS, Kazimierz Dolny, Poland, February, 2003
- **Agent Technology in Support of E-commerce**
  - Second International Conference, ADVIS 2002, Izmir, Turkey, October, 2002
  - International Symposium on Parallel and Distributed Computing, Iași, Romania, July, 2002
- **Software Agents in Support of E-business**
  - Southern Illinois University, Carbondale, IL, October, 2002
  - 10<sup>th</sup> Conference Extracting Knowledge from Databases, Karpacz, Poland, May, 2002
- **Internet Travel Agency**
  - Polish-Japanese Institute of Information Technology, Warszawa, Poland, March, 2002
  - Katowice University of Economics, Katowice, Poland, March, 2002
- **Solving Systems of Nonlinear Algebraic Equations - Where We Are Today**
  - OSCER High Performance Computing Symposium, University of Oklahoma, Norman, OK, September, 2002
  - 3<sup>rd</sup> Conference on Computer Methods and Systems in Scientific Research and Engineering Projects, Kraków, Poland, November, 2001
  - 4<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM'2001), Nałęczów, Poland, September, 2001
  - University of Gdańsk, Gdańsk, Poland, October, 2001
- **Agent System for Geospatial Data Management**
  - Jagiellonian University, Kraków, Poland, January, 2002
  - Technical University of Częstochowa, Częstochowa, Poland, November, 2001
  - Western Michigan University, Kalamazoo, MI, May, 2001
  - Oklahoma State University, Stillwater, OK, May, 2001

- SUNY Binghamton, Binghamton, NY, April, 2001
- McMaster University, Hamilton, Canada, March, 2001
- Carleton University, Ottawa, Canada, March, 2001
- Utah State University, Logan, UT, March, 2001
- University of Alabama, Tuscaloosa, AL, March, 2001
- University of Akron, Akron, OH, March, 2001
- Worcester Polytechnic Institute, Worcester, MA, February, 2001
- Clark University, Worcester, MA, February, 2001
- New Mexico State University, Las Cruces, NM, February, 2001
- University of West Florida, Pensacola, FL, December, 2000
- Memorial University of Newfoundland, St. Johns, NF, November, 2000
- Washington State University, Pullman, WA, July, 2000
- **Supercomputers on Their Way to Business. Changes are Coming?**
  - UseRS2001 Conference, Mragowo, Poland, April, 2001
- **Efficient Solvers for Complex Symmetric Non-Hermitian Eigenproblem**
  - University of Alaska, Fairbanks, AK, March, 2001
  - University of West Florida, Pensacola, FL, December, 2000
  - Colorado School of Mines, Golden, CO, February, 2000
  - SUNY, Albany, NY, March 1999
  - Mississippi State University, Mississippi State, MS, November, 1997
  - Laboratory for Parallel Computing, Bulgarian Academy of Sciences, Sofia, Bulgaria, January, 1997
  - Rensselaer Polytechnic Institute, Troy, NY, November, 1996
- **Studying the Numerical Properties of Solvers for Systems of Nonlinear Equations**
  - Seventh International Colloquium on Numerical Analysis and Computer Science with Applications, Plovdiv, Bulgaria, August, 1998
- **Applying PNN's to the Multifont Pattern Recognition Problem**
  - Seventh International Colloquium on Numerical Analysis and Computer Science with Applications, Plovdiv, Bulgaria, August, 1998
- **Efficient Solvers for Linear Systems Arising from Spectral Decompositions**
  - University of Rouse, Rouse, Bulgaria, January, 1997
  - Southern Methodist University, Dallas, TX, September, 1996
  - ICIAM'95, Hamburg, Germany, July, 1995
- **High Performance Solution of a Class of Structured Linear Systems**
  - Technisches Universität, Dresden, Germany, July, 1996
  - East Tennessee State University, Johnson City, TN, March, 1995
- **Porting Software to Modern Computer Architectures**
  - Warsaw University of Technology, Warsaw, Poland, July, 1994
- **Numerical Mathematics and Parallel Computing**
  - Loyola University, New Orleans, February, 1994
- **Efficient Parallel Solution of Almost Block Diagonal Systems**
  - Third SIAM Conference on Linear Algebra in Signals, Systems and Control, Seattle, WA, August, 1993
  - San Diego State University, San Diego, CA, March, 1993
  - Mississippi State University Mississippi State, MS, March, 1991
  - Illinois Wesleyan University, Bloomington, IL, March, 1990

- California University of Pennsylvania, California, PA, March, 1990
- Global Computer Networks and Their Role in Education
  - Colloquium in Honor of Leon Leja, Poznań, Poland, June 1993
- Introduction to Parallel Computing
  - Christopher Newport University, Newport News, VA, March, 1993

### **Contributed Presentations:**

1. “Ontological Matchmaking in a *Duty Trip Support* Application in a Virtual Organization,” International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2008
2. “Whole Genome Comparison on a Network of Workstations,” ISPDC 2007 Conference, Linz, Austria, July, 2007
3. “Introducing interaction-based auctions into a model agent-based e-commerce system – preliminary considerations,” EATIS Conference, Faro, Portugal, May, 2007
4. “Designing ontology for the Open Travel Alliance airline messaging specification,” 2006 Information Society Multiconference, Ljubljana, Slovenia, October, 2006
5. “Utilizing agent teams in grid resource management - preliminary considerations,” IEEE J. V. Atanasoff Conference, Sofia, Bulgaria, October, 2006
6. “Rule-Based Automated Price Negotiation: an Overview and an Experiment,” ICAISC Conference, Zakopane, Poland, June, 2006
7. “Developing a Model Agent-based Airline Ticket Auctioning System,” IIPWS Conference, Ustroń, Poland, June, 2006
8. “Ontology-based Stereotyping in a Travel Support System,” XXI Fall Meeting of Polish Information Processing Society, Wisła, Poland, December, 2005
9. “Automated Travel Planning,” XXI Fall Meeting of Polish Information Processing Society, Wisła, Poland, December, 2005
10. “UML Models of Agents in a Multi-Agent E-Commerce System,” IEEE ICEBE Conference, Beijing, China, October, 2005
11. “Designing Agent Based Travel Support System,” 4<sup>th</sup> International Symposium on Parallel and Distributed Computing, Lille, France, July, 2005
12. “RDF Demarcated Resources in an Agent-based Travel Support System,” 17<sup>th</sup> Mountain Conference of the Polish Information Society, Szczyrk, Poland, June, 2005
13. “Interaction User – Agent-based Travel Support System,” 17<sup>th</sup> Mountain Conference of the Polish Information Society, Szczyrk, Poland, June, 2005
14. “Agent-based Travel Support System – Creation of Content Collection Subsystem,” 17<sup>th</sup> Mountain Conference of the Polish Information Society, Szczyrk, Poland, June, 2005
15. “Designing an Agent-based Student Mobility Support System,” *Information and Communication Technologies International Symposium (ICTIS'2005)*, Tetuan, Morocco, June, 2005
16. “Marketing Activities of Polish Internet Retailers,” *IADIS International Conference Applied Computing 2005*, Algarve, Portugal, February, 2005
17. “Developing a JADE-based Multi-Agent E-Commerce Environment,” *IADIS International Conference Applied Computing 2005*, Algarve, Portugal, February, 2005
18. “Traffic Accident Analysis Using Decision Trees and Neural Networks,” *IADIS International Conference Applied Computing 2004*, Lisbon, Portugal, March, 2004



19. "Location Based Approach for Energy Efficient, Secure Mobile Commerce," *2003 International Conference on Management of e-Commerce and e-Government*, Nanchang, China, October, 2003
20. "Agents Capable of Dynamic Negotiations," *ECOMO2003*, Gdańsk, Poland, October, 2003
21. "Some Aspects of Parallel Performance of a Seismic Ray Analysis Algorithm," *5<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM'2003)*, Częstochowa, Poland, September, 2003
22. "Structuring Travel Information in an E-travel System," *Second International Conference, ADVIS 2002*, Izmir, Turkey, October, 2002
23. "Agent-Client Interaction in a Web-based E-commerce System," *International Symposium on Parallel and Distributed Computing*, Iași, Romania, July, 2002
24. "Travel Support System – an Agent Based Framework," *International Conference on Internet Computing (IC'02)*, Las Vegas, NV, June, 2002
25. "Information Personalization in an Internet Based Travel Support System," *5<sup>th</sup> International Conference Business Information Systems (BIS'2002)*, Poznań, Poland, April, 2002
26. "Development of E-commerce in Poland and Role of the Banking Sector," *Fourth International Conference on Electronic Commerce Research*, Dallas, TX, October 2001
27. "Personalized Traveler Information System," *5<sup>th</sup> International Conference Human-Computer Interaction*, Gdańsk, Poland, October, 2002
28. "Spatial Data Integration Agents," 27th Summer School "Applications of Mathematics in Engineering and Economics" (AMEE01), Sozopol, Bulgaria, June, 2001
29. "Parallelization of Othello Game-tree Search Algorithms," 27th Summer School "Applications of Mathematics in Engineering and Economics" (AMEE01), Sozopol, Bulgaria, June, 2001
30. "Parallel Visualization of Time Varying Data Sets," 27th Summer School "Applications of Mathematics in Engineering and Economics" (AMEE01), Sozopol, Bulgaria, June, 2001
31. "Studying the Performance of Nonlinear Systems Solvers Applied to the Random Vibration Test," 3rd International Conference on "Large-Scale Scientific Computations," Sozopol, Bulgaria, June, 2001
32. "An Evaluation of Mobile Agent Environments for a Geospatial Knowledge Integration and Management System," *PIONIER 2001*, Poznań, Poland, April, 2001
33. "Intelligent Agents in a Distributed GIS for Improving Interoperability," *PIONIER 2001*, Poznań, Poland, April 2001
34. "Spatial Data Integration Agents," *GIScience 2000*, Savannah, GA, October, 2000
35. "Comparing Solvers for Large Systems of Nonlinear Algebraic Equations," 16th IMACS World Congress, Lausanne, Switzerland, August, 2000
36. "Applying Neural Networks to Hyperspectral Data," 26<sup>th</sup> Summer School "Applications of Mathematics in Engineering and Economics," Sozopol, Bulgaria, June 2000
37. "Parallelization of Creation of a Reference Pattern Set for a Speaker Independent Voice Recognition System," 26<sup>th</sup> Summer School "Applications of Mathematics in Engineering and Economics," Sozopol, Bulgaria, June 2000
38. "Benchmarking the Performance of Parallel Computers Using a 3D Solver," Second Conference on Numerical Analysis and Applications, Rousse, Bulgaria, June, 2000
39. "Solvers and Test Problems for Systems of Nonlinear Algebraic Equations: Where Are We Now?," Second Conference on Numerical Analysis and Applications, Rousse, Bulgaria, June, 2000

40. "Comparing Performance of Neural Networks Applied to Simplified Recognition Problem," FLAIRS-00, Orlando, FL, May, 2000
41. "Applying Neural Networks to Practical Problems - Methodological Considerations," BIS'2000, 4th International Conference on Business Information Systems, Poznań, Poland, April, 2000
42. "Development of e-Banking in Poland – Critical Analysis," BIS'2000, 4th International Conference on Business Information Systems, Poznań, Poland, April, 2000
43. "Comparing performance of Neural Networks Applied to the Multifont Recognition Problem," FLAIRS-99, Orlando, FL, May, 1999
44. "Parallel Conjugate Gradient Method with Circulant Block-Factorization Preconditioners for 3D Elliptic Problems," Ninth SIAM Conference on Parallel Processing for Scientific Computing, San Antonio, TX, March, 1999
45. "Efficient Parallel Solvers for Elliptic PDE's," IASTED International Conference on Parallel and Distributed Computing and Systems, Las Vegas, NV, October, 1998
46. "Benchmarking Performance of Parallel Computers Using a 2D Elliptic Solver," 4th International Conference on Numerical Methods and Applications: NM&A - O(h<sup>4</sup>)'98, Sofia, Bulgaria, August, 1998
47. "Performance Evaluation of Neural Networks for Pattern Recognition," 14<sup>th</sup> Annual Conference on Applied Mathematics, Edmond, OK, February, 1998
48. "Solving Block-Structured Linear Systems on a Power Challenge 8000," The 10th International ISCA Conference: Computer Applications in Industry and Engineering, San Antonio, TX, December, 1997
49. "The Design, Evaluation and Usage of Educational Software," SITE'97, Orlando, FL, April, 1997
50. "A Parallel Algorithm for Solving the Complex Symmetric Eigenproblem," SIAM Conference on Parallel Processing for Scientific Computing, Minneapolis, MN, March, 1997
51. "CS II: an Applied Software Engineering Project," 3rd Midwest SCCC, Greencastle, IN, September, 1996
52. "High Performance Solution of Linear Systems Arising from Conforming Spectral Approximations for Non-Conforming Domain Decompositions," (solicited) 7th ICCAM, Leuven, Belgium, July, 1996
53. "High Performance Solution of a Complex Symmetric Eigenproblem," (solicited) 7th ICCAM, Leuven, Belgium, July, 1996
54. "Applying Spectral Algorithms to MinClique Scheduling Problems," Numerical Analysis in Engineering, Miskolc, Hungary, July 1996
55. "Finding Eigenvalues of Complex Symmetric Matrices," Numerical Analysis in Engineering, Miskolc, Hungary, July 1996
56. "Efficient Solution of Linear Systems Arising from Non-Conforming Domain Decompositions," 1st Workshop on Numerical Analysis and Applications, Rousse, Bulgaria, June, 1996
57. "Studying Computer Awareness," SITE'96, Phoenix, AZ, March, 1996
58. "Developing an Artificial Life Simulation Package," 12<sup>th</sup> Annual Conference on Applied Mathematics, Edmond, OK, February, 1996
59. "Using Level 3 BLAS in Structured Linear Algebra Solvers," 4th International Colloquium on Numerical Analysis, Plovdiv, Bulgaria, August, 1995

60. "High Performance Solution to Linear Systems Arising from Spectral Decomposition on Rectangular Domains," 6th International Colloquium on Differential Equations, Plovdiv, Bulgaria, August, 1995
61. "High Performance Solution to Block-Structured Linear Systems," Second International Conference on Difference Equations and Applications, Veszprem, Hungary, August, 1995
62. "Recent Advances in the Parallel Solution to Almost Block Diagonal Systems," (solicited) IFIP Conference, Warsaw, Poland, July, 1995
63. "Level 3 BLAS Based Solution to Block Tridiagonal Linear Systems," IMA Conference on Linear Algebra, Manchester, UK, July, 1995
64. "Parallel Solution of Linear Recurrence Systems, " ICIAM'95, Hamburg, Germany, July, 1995
65. "Should Computer Science Majors Know How to Write and Speak?" Sixth Annual South Central Small College Computing Conference, Shreveport, LA, April, 1995
66. "A Cyclic Reduction Approach to the Numerical Solution of Boundary Value ODE's," SciCADE'95, Stanford University, Palo Alto, CA, March, 1995
67. "Comparing Attitudes Toward Computers of Polish and American Prospective Teachers," SITE'95, San Antonio, TX, March, 1995
68. "Level 3 BLAS Based Software for Structured Linear Systems," High Performance Computing Technologies and Scientific Applications, Baton Rouge, LA, February, 1995
69. "Studying the Performance of Sorting Algorithms," 11<sup>th</sup> Annual Conference on Applied Mathematics, Edmond, OK, February, 1995
70. "Parallel Algorithms for Finding Trigonometric Sums," Sixth SIAM Conference on Parallel Computing, San Francisco, February, 1995
71. "Solving Block Bidiagonal Linear Systems on Distributed Memory Computers, " Seventh International ISCA Conference on Parallel and Distributed Computing Systems, Las Vegas, NV, October, 1994
72. "Using Strassen Matrix Multiplication in Linear Algebraic Computations," Numerical Analysis, Miskolc, Hungary, August, 1994
73. "Solving Linear Recurrence Systems on Shared Memory Multiprocessors," PARA'94 Workshop on Parallel Scientific Computing, Copenhagen, Denmark, June, 1994
74. "Optimization of Basic Linear Algebraic Operations," Conference on Numerical Analysis, Warsaw, Poland, May, 1994
75. "Using Computer Networks to Study Computer Literacy," STATE'94, Washington, DC, March, 1994
76. "Prospective Teachers' Attitudes Toward Computers," STATE'94, Washington, DC, March, 1994
77. "Solving Linear Recurrence Systems on Parallel Computers," Toward Teraflop Computing and New Grand Challenge Applications Conference, Baton Rouge, LA, February, 1994
78. "Optimizing Performance of Basic Linear Algebraic Subroutines on DEC Computers," 10<sup>th</sup> Annual Conference on Applied Mathematics, Edmond, OK, February, 1994
79. "Computational Aspect of a Certain CFD Problem," Cornelius Lanczos International Centenary Conference, NCSU, Raleigh, NC, December, 1993
80. "Basic Issues in Parallel Computing," (solicited) Mikołaj Kopernik University, Toruń, Poland, June 1993
81. "Parallel Solution of Two-point BVP's for ODE's," Conference on Numerical Analysis, Warsaw, Poland, June 1993

82. "The Problem of Approximation in the Idealizational Conception of Science," (solicited) Adam Mickiewicz University, Poznań, Poland, May 1993
83. "Using Computers in Calculus Teaching," Fourth Annual South Central Small College Computing Conference, Dallas, TX, April, 1993
84. "Parallelization of a Godunov Type Method for the Solution of systems of Conservation Laws," Sixth SIAM Conference on Parallel Processing for Scientific Computing, Norfolk, VA, March 1993
85. "Using Technology in the Classroom: Today and Tomorrow," Fourth Annual Conference on Technology and Teacher Education, San Diego, CA, March 1993
86. "Using BLAS in the Estimation of Nonlinear, Non-Gaussian State-Space Models," 9<sup>th</sup> Annual Conference on Applied Mathematics, Edmond, OK, February, 1993
87. "Incorporating High Performance Computers into Mathematics Curriculum," Fifth Annual Conference on Technology in Collegiate Mathematics, Chicago, November, 1992
88. "Matrix Multiplication – a Very Simple Program With Some Interesting Implications," Eight Annual Eastern Small College Computing Conference, Allentown, PA, October, 1992
89. "A Parallel Chopping Algorithm for ODE Boundary Value Problems," SIAM 40th Anniversary Meeting, Los Angeles, July 1992
90. "Efficient Solution of ABD Systems Arising from Spectral Decomposition on Rectangular Domains," SIAM 40th Anniversary Meeting, Los Angeles, July, 1992
91. "Using Strassen's Matrix Multiplication in Parallel Solution of Large Dense Linear Systems," SIAM 40th Anniversary Meeting, Los Angeles, July, 1992
92. "Parallel Solution of Systems of Conservation Laws Using High Order Methods of Godunov Type," SIAM 40th Anniversary Meeting, Los Angeles, July, 1992
93. "Binary Search on a Linked List – a Research Project in Experimental Computer Science," Third Annual South Central Small College Computing Conference, Oklahoma City, OK, April, 1992
94. "Gaussian Elimination for Large, Dense Linear Systems on an 8-processor Cray Y/MP," SIAM Texas-Oklahoma Meeting, University of Tulsa, Tulsa, OK, April 1992
95. "Practical Considerations for Linear Algebra Algorithms on Cray Y-MP 8/864 Multiprocessor," Fourth SIAM Conference on Applied Linear Algebra, Minneapolis, MN, September 1991
96. "Solving Almost Block Diagonal Systems on Cray Y-MP 8/864 Multiprocessor using Level 3 BLAS," Fourth SIAM Conference on Applied Linear Algebra, Minneapolis, MN, September 1991
97. "Parallel Fast Fourier Transforms," Short Course on Discrete and Continuous Fourier Analysis, Southern Illinois University, Carbondale, IL, August 1991
98. "Solving BVP ODE's with Separated and Non-separated Boundary Conditions Using Level 3 BLAS," Second International Conference on Industrial and Applied Mathematics, Washington, DC, July 1991
99. "Practical Considerations for Linear Algebra Algorithms on Cray Y-MP 8/864 Supercomputer," Second NIU Conference on Linear Algebra, Numerical Linear Algebra and Applications, Northern Illinois University, DeKalb, IL, May 1991
100. "An Overview of Computer Networks in Education: Computer Networks and Network Services," Second Annual South Central Small College Computing Conference, Austin, TX, April 1991
101. "Parallel Linear Algebra for BVP's with Non-separated Boundary Conditions," Fifth SIAM Conference on Parallel Processing for Scientific Computing, Houston, TX, March 1991

102. "Parallelization of BVP Software," IMA Conference on Computational Ordinary Differential Equations, London, UK, July 1989
103. "Average Heights of Random Binary Tree," Technical University of Denmark, Copenhagen, Denmark, April 1986

### **Solicited Lectures:**

1. "Designing Agent Systems," OSU Student Chapter of IEEE, Tulsa, OK, October, 2004
2. "On the Virtual and the Real," USM Chapter of Sigma Xi, USM, Hattiesburg, MS, January, 1999
3. "Change," International Association of Personnel in Employment Security, Tri-Reginal Institute, Odessa, TX, September 1995
4. "Traveling Across Eastern Europe," Unitarian Universalist Church of Odessa, Odessa, TX, September 1995.
5. "Parallel Computing," Data Processing Management Association, Midland, TX, February, 1992
6. "Current Developments in Eastern Europe," New Mexico Junior College, Hobbs, NM, November 1991
7. "Basic Issues in non-Marxian Historical Materialism," Philoquium, Harvard University, Cambridge, MA, January 1989
8. "People, Society and Revolutions," Philosophy Club, Southern Methodist University, Dallas, TX, November 1988

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### **Academic/Work Experience:**

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1. Associate Professor, Systems Research Institute, Polish Academy of Science, Warsaw, Poland, November 2011 – present
2. Associate Professor, Warsaw Management Academy, Warsaw Poland, October 2007 – present  
     Courses Taught at the WSM: Social Issues in Computing, Software Agents and Agent Systems, Scientific Computing, Programming Languages, Management Information Systems, Numerical Algorithms, Web Systems Design
3. Adjunct Graduate Faculty, Southern Illinois University, December, 2007 – present
4. Assistant Professor, Systems Research Institute, Polish Academy of Science, Warsaw, Poland, February 2006 – October 2011
5. Visiting Faculty, Warsaw University of Technology, Warsaw, Poland, October 2003 – present  
     Courses Taught at the WUT: Social Issues in Computing, Software Agents and Agent Systems
6. Visiting Faculty, Leon Koźminski Academy of Entrepreneurship and Management, Warsaw, October 2003 – present  
     Courses Taught at the LKAEM: E-business, Introduction to Computers and Communication, Business Intelligence Agency
7. Associate Professor, Computer Science Institute, SWPS, Warsaw, Poland, May 2004 – September, 2007
8. Graduate Faculty Member, University of Oklahoma, February 2002 – August 2005
9. Assistant Professor of Computer Science, and Graduate Faculty Member, Oklahoma State University, August 2001 – August 2005  
     Courses Taught at the OSU: Formal Languages and Automata, Data Structures and

Algorithms I, Social Issues in Computing (web-based; distance learning), Distributed Computing (undergraduate and graduate), Data Structures and Algorithms II (graduate), Computing for Scientists and Engineers (web-based; distance learning)

10. Fulbright Lecturer, Adam Mickiewicz University, Poznań, Poland, October 2003 – June 2004  
Courses Taught at the AMU: Parallel Programming, Distributed and Agent-based Systems
11. Faculty Member, Doctoral Program in Scientific Computing, The University of Southern Mississippi, September 1997 – August 2002
12. Assistant Professor of Computer Science and Statistics, The University of Southern Mississippi, September 1997 – August 2001  
Courses Taught at the USM: Distributed Systems (undergraduate and graduate), Neural Networks, Parallel Computing (graduate), Data Structures (for non-majors), Programming Algorithms (undergraduate and graduate), Programming Languages, Fortran Programming, Digital Computer Organization
13. Associate Professor of Mathematics and Computer Science (with tenure), The University of Texas of the Permian Basin, September 1995 – May 1997
14. Assistant Professor of Mathematics and Computer Science, The University of Texas of the Permian Basin, September 1990 - August 1995  
Courses Taught at the UTPB: Computer Science I, Computer Science II, Pascal Programming, FORTRAN Programming, Data Structures, Computer Architectures, Programming Algorithms, Programming Languages, Business Mathematics I, Precalculus, Calculus I, Differential Equations, Numerical Analysis, Neural Network Computations, History and Philosophy of Science
15. Teaching Assistant, Department of Mathematics, Southern Methodist University, January 1987 - May 1990  
Courses Taught at the SMU: Finite Mathematics, Business Calculus
16. Summer Teaching Assistant (Mathematics), High School No. 6, Poznań, Poland, September - October 1984
17. Teaching Introduction to Computer Science, High School No. 6, Poznań, Poland, November 1983 - May 1984
18. Summer Teaching Assistant (Mathematics), Elementary School No. 2, Poznań, Poland, September - October 1983
19. Summer Teaching Assistant (Mathematics), Elementary School No. 75, Poznań, Poland, September 1982

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### **Undergraduate and Graduate Research:**

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1. External Evaluator, D.Sc. Procedure, AGH University of Mining and Metallurgy, Fall, 2014
2. External Evaluator, D.Sc. Procedure, AGH University of Mining and Metallurgy, Fall, 2013
3. Directing Ph.D. Thesis, “*Application of semantic analysis method to increase the efficiency of grid usage*”, Systems Research Institute Polish Academy of Sciences, Spring, 2018
4. Directing Ph.D. Thesis: “*Solvers for Large Systems of Nonlinear Algebraic Equations*,” USM, Summer 2002
5. Co-adviser, “*A Quad-tree Based Sparse BLAS Implementation for Shared Memory Parallel Computers*,” University of Rome “Tor Vergata,” June, 2010

6. External Examiner, "*Random Forest Applied in Soil Analysis for Optimal Crop Production, it's Hyperparameter Optimization and Parallelization in the Graphical Processing Unit*", Paris-8 University, December, 2019
7. External Examiner, "*Extraction and Evaluation of Software Components from Object-Oriented Artifacts*," National Institute of Technology Kurukshetra, December, 2019
8. External Examiner, "*Extraction and Evaluation of Software Components from Object-Oriented Artifacts*", National Institute of Technology Kurukshetra, October, 2019
9. External Examiner, "*Development of Machine Learning Tool for Drug Class Prediction*", Shoolini University, Solan, India, October, 2019
10. External Examiner, "*CDQL: A Generic Context Definition and Querying Language for Internet of Things Applications*", Monash University, September, 2019
11. External Examiner, "*Machine Learning Based Framework for Drug Prediction of Cancerous Genomic Profiles*", Thapar Institute of Engineering & Technology, June, 2019
12. External Examiner, "*Parallel Digital Processing of ECG Signals*," Cyril and Methodius University, May, 2019
13. External Examiner, Ph.D. Thesis, *Detection and Defense Algorithm of Different Types of DDOS Attacks*, University of Technology MARA, May, 2019
14. External Examiner, Ph.D. Thesis, *Modeling and Performance Analysis of Wireless Sensor Network*, National Institute of Technology Durgapur, October, 2018
15. External Examiner, Ph.D. Thesis, *Group Activity Recognition and Analysis: Concept, Model and Service Architecture*, Deakin University, May, 2018
16. External Examiner, Ph.D. Thesis, *Formal and computational models in human timing and reasoning, and their use for knowledge discovery in cognitive science*, UAM, October, 2017
17. External Examiner, Ph.D. Thesis, *Models and Methods of Conflict Resolution in Data Fusion Process*, Warsaw Military Academy, May, 2017
18. External Examiner, Ph.D. Thesis, *Algorithms for Solving Selected Classes of Linear Systems with Narrow-banded Matrices on Computers with Multi-core Processors*, UMCS, May, 2015
19. External Examiner, Ph.D. Thesis, *Adaptive Matchmaking Algorithms for Computational Multi-Agent Systems*, Charles University, September, 2014
20. External Examiner, Ph.D. Thesis, *On-board Localization Technologies for Vehicle Positioning*, University of Žilina, August, 2013
21. External Examiner, Ph.D. Thesis, "*Methods of parallelization and load balancing for numerical computations on hybrid architectures*," Technical University of Częstochowa, September, 2012
22. External Examiner, Ph.D. Thesis, "*Methods of parallelization and automatic mapping of EULAG numerical model to graphics processors architecture*," Technical University of Częstochowa, September, 2012
23. External Examiner, Ph.D. Thesis, "*Compositionally Adaptive Mobile Software Agents for Pervasive Environments*," Monash University, September 2011
24. External Examiner, Ph.D. Thesis, "*TIMiD Transferring Identity to Mobile Devices*," University of Rome "Tor Vergata," June, 2010
25. External Examiner, Ph.D. Thesis, "*TUBA: Total User Behaviour Authentication*," University of Rome "Tor Vergata," June, 2010
26. External Examiner, Ph.D. Thesis, "*Open BAR - A New Approach to Mobile Backup And Restore*," University of Rome "Tor Vergata," June, 2010

27. External Examiner, "*Dynamic Adaptive Hypermedia System for E-learning*," University of Craiova, Craiova, Romania, October, 2008
28. External Examiner, Ph.D. Thesis, "*Agent-based Solutions for Electronic Commerce Negotiations*," Technical University of Sofia, Sofia, Bulgaria, October, 2008
29. External Examiner, Ph.D. Thesis, "*An Integrated Security Framework for Mobile Agent Communities*," Monash University, Melbourne, Australia, May, 2006
30. External Examiner, Ph.D. Thesis, "*Compeer: a Scalable, Self-organizing, Peer-to-peer Metacomputer*," University College, Cork, Ireland, February, 2004
31. Member of the Ph.D. Committee, *Distributed Model Checking Multi-agent Systems with Imperfect Information*, SRIPAS, 2016-17
32. Member of the Ph.D. Committee, "*Image Data Compression Using Spectral Shifting*," Summer 2001
33. Member of the Ph.D. Committee, "*Parallel Monte Carlo Computation of Invariant Measures*," Summer 2000
34. Member of the Ph.D. Committee, "*A New Fluid Permeability Estimation in Periodic Grain Consolidation Models and Non-overlapping and Overlapping Mono-sized Spheres Models of Porous Media*," USM, Summer 1999
35. Member of the Ph.D. Committee, "*Distributing a Geographic Visualization System on a Local Network Using a Parallel Data Approach*," Summer 1999
36. Directing Masters Thesis, "*Ontology-driven targeted advertisement system*," Warsaw University of Technology, Spring 2015
37. Directing Masters Thesis, "*Semantic system in support of workers in an organization*," Warsaw University of Technology, Spring 2015
38. Directing Masters Thesis, *Travel Support System*, Warsaw University of Technology, Spring 2013
39. Directing Masters Thesis: *Application of Software Agents in E-commerce*, Warsaw University of Technology, Spring 2008
40. Directing Masters Thesis: *Intelligent Techniques Applied to Management of Ontologically Demarcated Information Gathered from the Internet*, Warsaw University of Technology, Spring 2008
41. Directing Masters Thesis: *Towards Semantic Web*, Warsaw University of Technology, Spring 2008
42. Directing Masters Thesis: *Combining Information from Multiple Internet Sources*, Warsaw University of Technology, Spring 2008
43. Directing Masters Thesis: *Adaptivity of Agent Behavior in an Agent-Based E-Commerce System*, Warsaw University of Technology, Spring 2008
44. Directing Masters Thesis: *Agent-based Commodity Flow Management*, Warsaw University of Technology, Spring 2007
45. Directing Masters Thesis: "*Using Ontologies to Organize Data Collected from the Internet*," Warsaw University of Technology, Spring 2006
46. Directing Masters Thesis: "*Ontologically Oriented Internet Search*," Warsaw University of Technology, Fall 2005
47. Directing Masters Thesis: "*Spatio-temporally Constrained System for Travel Planning*," Warsaw University of Technology, Fall 2005
48. Directing Masters Thesis: "*Supplying Data for an RDF-based Content Management System*," OSU, Summer 2005



49. Directing Masters Thesis: *“Predicting Driver's Injury Severity in Automobile Head-on Collisions Using Machine Learning,”* OSU, Summer 2003
50. Directing Masters Thesis: *“Mining Call Center Performance Data,”* OSU, Summer 2003
51. Directing Masters Thesis: *“Using Software Agents to Index Data for an E-Travel System,”* OSU, Summer 2003
52. Directing Masters Thesis: *“Development of Parallel Solvers for Elliptic PDE's,”* USM, Summer 2001
53. Refereeing Masters Thesis: *“Outsourcing of IT services,”* University of Szczecin, January, 2009
54. Member of the Masters Committee: *“Managing data in a Web Services based environment,”* Adam Mickiewicz University, Fall 2005
55. Member of the Masters Committee: *“Logic Restructuring for Delay Balancing in Wave-Pipelined Circuits: an Integer Programming Approach,”* OSU, Summer, 2005
56. Member of the Masters Committee: *“Parallel Methods for Traversing the GO Game Tree,”* Adam Mickiewicz University, Spring 2004
57. Member of the Masters Committee: *“Secure Object Sharing on Java Card,”* OSU, Spring 2003
58. Member of the Masters Committee: *“Petri Net Modeling of Web Services,”* OSU, Spring 2003
59. Member of the Masters Committee: *“User-oriented Quality of Service Mapping Mechanism for MPEG-4 in Differentiated Services Networks,”* OSU, Summer 2002
60. Member of the Masters Committee: *“A Reconfigurable Coprocessor Architecture for Algorithm Performance Optimization,”* USM, Fall 2000
61. Member of the Masters Committee: *“Mobile Agents and their Applications,”* USM, Summer 1999
62. Directing MBA Thesis, *“Application of multiagent systems in production industries,”* University of Szczecin, 2011
63. External evaluator, MBA Thesis, *Managing the implementation of the ERP system from the side of the customer, on the own example,* University of Szczecin, 2011
64. Directing Bachelor Thesis, *“Invoicing system – application in C++ developed with QT libraries,”* Warsaw Management Academy, Summer 2019
65. Directing Bachelor Thesis, *“Internet application to manage a small computer repair company,”* Warsaw Management Academy, Summer 2019
66. Directing Bachelor Thesis, *“Application Parser – parsing XML files realized in Java programming language,”* Warsaw Management Academy, Summer 2019
67. Directing Bachelor Thesis, *“Modernization of a phone system in a small company,”* Warsaw Management Academy, Summer 2019
68. Directing Bachelor Thesis, *“Development of a system for complaint management in company XYZ,”* Warsaw Management Academy, Summer 2019
69. Directing Bachelor Thesis, *“Appliaction to support Internet connected bee hive weigths,”* Warsaw Management Academy, Summer 2018
70. Directing Bachelor Thesis, *“Mobile application supporting sales of animal feed in company XYZ,”* Warsaw Management Academy, Summer 2018
71. Directing Bachelor Thesis, *“Application to schedule meeting of a group of friends,”* Warsaw Management Academy, Summer 2018

72. Directing Bachelor Thesis, "*Program to manage delivery status of courier delivered packages,*" Warsaw Management Academy, Summer 2018
73. Directing Bachelor Thesis, "*Application to manage solution to problems in desktop computers in company XYZ*", Warsaw Management Academy, Summer 2017
74. Directing Bachelor Thesis, "*Mobile application in support of insurance salesperson,*" Warsaw Management Academy, Spring 2017
75. Directing Bachelor Thesis, "*Testing in the cycle of creation of Web Applications,*" Warsaw Management Academy, Summer 2016
76. Directing Bachelor Thesis, "*Designing and implementing a computer network in an SME,*" Warsaw Management Academy, Summer 2016
77. Directing Bachelor Thesis, "*Agent system in support of TAXI corporation,*" Warsaw University of Technology, Spring 2016
78. Directing Bachelor Thesis, "*Character generator for Dungeons and Dragons version 3.5,*" Warsaw Management Academy, Summer 2016
79. Directing Bachelor Thesis, "*Design and implementation of the system supporting preparation of price-offers of the service on www page positioning,*" Warsaw Management Academy, Summer 2013
80. Directing Bachelor Thesis, "*SuperTrader – tool supporting decision making on the FOREX marker,*" Warsaw Management Academy, Spring 2013
81. Directing Bachelor Thesis, "*AMagazynier – agent-based warehouse state management system,*" Warsaw Management Academy, Spring 2013
82. Directing Bachelor Thesis, "*Effective methods of solving systems of linear equations with the block structured matrices,*" Warsaw University of Technology, Summer, 2009
83. Refereeing Bachelor Thesis, "*Model of an ecosystem for problem of class predator-prey,*" Warsaw Management Academy, Summer, 2013
84. Refereeing Bachelor Thesis, "*Design and implementation of a system in a Java language, based on the JPA standard,*" Warsaw Management Academy, Summer, 2013
85. Refereeing Bachelor Thesis, "*Application of the selected CMS to construct a thematic portal,*" Warsaw Management Academy, Summer, 2013
86. Refereeing Bachelor Thesis, "*Creating model of a car for the purpose of film post-production,*" Warsaw Management Academy, Fall, 2012

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### **Other Experience:**

#### **Other Professional Activities**

- Member of Maven.co ThinkTank on "Digital and Virtual Personal Assistants", November, 2015

#### **Research Assistantship:**

- Preconditioning in the Solution of the Linear Systems for Almost Block Diagonal Matrices, Supervisor: I. Gladwell, Summer 1988
- Detecting Stiffness in Ordinary Differential Equation Solvers, Supervisor: L. F. Shampine, Summer 1987

#### **System Operator:**

- Operated ODRA 1204 Computer in Agricultural Academy, Poznań, Poland, Summer 1983

- Operated ICL System 4 Computer in H. Cegielski Machine Factory, Poznań, Poland, Summer 1982

### **Programmer Analyst:**

- Designed and tested software for the relational data bases using dBase III, marketed the software, FIDES Co. Ltd., Poznań, Poland, Full time position, September - December 1986
- Designed and tested user-friendly system software for IBM 360 Computer, Computer Center of Adam Mickiewicz University Poznań, Poland, Part Time Position, November 1984 - August 1986
- Tested Software for MERA 400 and IBM 360 Computers, The Technical University, of Wrocław, Poland, Summer Job, June 1984

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### **Judging:**

- Member of Jury, Competition for Best Masters Thesis in ICT, 2017
- Member of the Jury, W. Lipski Award, 2009-2017
- Judge for the CODIE Awards, organized by SIIA, 2004-2014

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### **Proposal Evaluation:**

- European Commission, Ethics Expert, SME Instruments, Fall 2017 – present
- European Commission, Ethics Expert, FET Proactive: emerging paradigms and communities and EIC Transition to Innovation Activities, Spring 2020
- Internal Project Reviewer for CIOP-PIB, 2017-2019
- Expert Evaluator, Brno Ph.D. Talent, Brno, Czech Republic, 2018-2019
- Republic of Latvia, Proposal Evaluator, Industry-Driven Research, Spring 2016
- European Commission, Project Evaluator, AComIn, ICPP BAS Project, Spring, 2016
- Polish National Center for Research and Advancement (NCBiR), Project Evaluator, Phase II of Project completed in CIOP-PIB, Spring, 2016
- European Commission, Expert Evaluator, ICT-10-2015 (CAPS, Collective Awareness Platforms for Sustainability and Social Innovation), May, 2015
- Bulgarian National Science Fund, Expert Evaluator, September, 2014
- Polish National Center for Research and Advancement (NCBiR), May, 2014
- European Commission, Expert Evaluator, H2020-EINFRA-2015-1 and H2020-INFRA-SUPP-2015-1, April, 2014
- Polish National Center for Research and Advancement (NCBiR), HiTech, September, 2013
- Polish National Center for Research and Advancement (NCBiR), September, 2013
- Polish National Science Center (NCN), SONATA, September, 2013
- Innovative Enterprise, Polish Ministry of Economy, August, 2013
- European Commission, Expert Evaluator, FP7-ICT-2013-11-4.2, April, 2013
- Applied Research Program, NCBiR, March, 2013
- Innovative Enterprise, Polish Ministry of Economy, February, 2013
- Polish National Science Center (NCN), March, 2012
- European Commission, Expert Evaluator, FP7-ICT-2011-8-4.4, February-March, 2012
- European Commission, Expert Evaluator, Initial Training Networks, April, 2011
- Polish Agency for Enterprise Development, August, 2011
- European Commission, Expert Evaluator, Initial Training Networks, April, 2011

- The Council for International Exchange of Scholars (CIES), Peer Review Committee for the Fulbright Senior Specialists Program, January – December, 2008
- Innovative Enterprise, Polish Ministry of Economy, November, 2008
- Polish Ministry of Science and Higher Education, March, 2008
- The Council for International Exchange of Scholars (CIES), Peer Review Committee for the Fulbright Senior Specialists Program, January – December, 2007
- The Council for International Exchange of Scholars (CIES), Peer Review Committee for the Fulbright Senior Specialists Program, January – December, 2006
- European Commission, Expert Evaluator, FP 6, Call 7, Grid Infrastructure, October, 2005
- The Council for International Exchange of Scholars (CIES), Peer Review Committee for the Fulbright Senior Specialists Program, January – December, 2005
- Project Refereeing, Netherlands Organisation for Scientific Research, March, 2005
- Member of the Review Panel, Louisiana Board of Regents, January, 2003
- Member of the Review Panel, NSF Networking Research Program, October-November, 2002
- Project Refereeing, Ministry of Education, Science and Sport, Republic of Slovenia, April, 2001

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### **Grants:**

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1. “Development of an agent-based production/workflow management system for Industry 4.0,” L-Systems, Piła, Poland, Consultant, 2019 – present
2. “Interoperability in Internet of Things Platforms” (INTER-IoT), European Union, EUR 430000, 2016-2018
3. “Software Agents as Resource Brokers in Grid,” Polish Ministry of Science and Higher Education, PI, 220000 PLN, 2008-2011
4. “Agent Technology for Adaptive Information Provisioning,” Poland-Korea Collaboration Grant, PI, \$80,000, 2007-2008
5. “E-commerce Agent Platform,” Marie Curie International Reintegration Grant, European Union, PI, 80,000 euro, 2006-2008
6. “Parallel and Distributed Computing Practices,” Poland-Bulgaria Collaboration Grant, receiver-pays exchanges, PI, 2006 – 2008
7. “Web Based Distributed Data Mining Using Hybrid Intelligent Systems,” Presidential Challenge Grant, co-PI, \$125,000, July 2003 – August 2005
8. “Intelligent Database Agents for Geospatial Knowledge Integration and Management,” approved January 17, 2000, co-PI, 5 years, \$684,000, NIMA202-99-BAA-02
9. Two grants to support First Southern Symposium on Computing: VP for Research grant of \$800.00 and Dean of College of Science and Technology grant of \$500.00, USM, Fall 1998.
10. “Development and Performance Evaluation of High Performance Codes for Problems in Numerical Linear Algebra and Numerical Methods for Partial Differential Equations,” computer time grant, NCSA, University of Illinois, January 1998 - February 1999
11. “Studies in Performance Characteristics of High Performance Methods for Problems in Numerical Linear Algebra and Numerical Methods for Partial Differential Equations,” computer time grant, NPACI, San Diego Supercomputing Center, April 1998 - August, 1998
12. Computer time grant to perform experiments with high performance linear system solvers, NCSA, University of Illinois, September 1995 - December 1997
13. COBASE Project Development Grant for cooperation with Bulgaria, January 1997

14. "A High-Performance Problem-Solving Environment for Optimization and Control of Chemical and Biological Processes," Consultant, CCR-9527151, Linda Petzold, Project Director
15. Cray time grant to study "The Efficient Eigensolvers for Large Dense Complex Symmetric Matrices," co-PI, PI: Ilan Bar-On, Department of Chemistry, Technion University and Cray Israel, academic year 1996/97
16. "Applying Spectral Methods to the Solution of Partial Differential Equations," University of Cyprus, co-PI, PI: Andreas Karageorghis, January 1996 - December 1996
17. SIAM/NSF Travel Grant to Participate in the ICIAM'95 conference in Hamburg, July, 1995.
18. "Parallel Processing in Undergraduate Education," co-PI, PI: Janusz Zalewski, ARPA, 0-9548-1984, \$50,000.
19. Faculty development grant to participate in the Short Course "Parallel Computation, Practice, Perspectives and Potential," CalTech, January, 1994
20. Faculty development grant for "Introduction of Computers Into Mathematics Teaching," UTPB, Spring, 1993
21. Computer Time Grant to perform experiments with high performance linear system solvers, Cray Research Inc., July 1991 - May 1992

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### **Paper Refereeing:**

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I have acted as a referee in all cases when I was a member of the Program or Organizing Committee. Depending on the conference I had to review between one and sixteen submissions. Furthermore I have acted as a reviewer for the following books and journals – in many cases multiple times:

1. *Parallel Computing*
2. *The International Journal of Human Resource Management*
3. *Journal of Computer Science and Cybernetics*
4. *Journal of Cultural Heritage*
5. *Interacting with Computers*
6. *Information Fusion*
7. *International Journal of Occupational Safety and Ergonomics*
8. *Computers & Electrical Engineering*
9. *Theory of Computing Systems*
10. *Parallel Processing Letters*
11. *Neural Computing and Applications journal*
12. *International Journal of Human-Computer Studies*
13. *Journal of Network and Computer Applications*
14. *Journal of Automation, Mobile Robotics & Intelligent Systems*
15. *Engineering Applications of Artificial Intelligence*
16. *Journal of Theoretical and Applied Computer Science*
17. *Computers in Industry*
18. *European Journal of Artificial Intelligence*
19. *Computers and Mathematics with Applications*
20. *Carpathian Journal of Mathematics*
21. *Informatica (Slovenia)*

22. *Foundations of Computing and Decision Sciences Journal*
23. *Studies and Materials in Applied Computer Science*
24. *Control and Cybernetics*
25. *Foundations of Computing and Decision Sciences*
26. *Creative Mathematics and Informatics*
27. *Advances in Engineering Software*
28. *International Journal of Agent Technologies and Systems*
29. *Computer Science and Information Systems*
30. *Journal of Natural Computing Research*
31. *ACM Transactions on Autonomous and Adaptive Systems*
32. *International Journal of Intelligent Information and Database Systems*
33. *Information Sciences*
34. *Software: Practice and Experience*
35. *African Journal of Mathematics and Computer Science Research*
36. *Numerical Algorithms*
37. *IEEE Intelligent Systems*
38. *Springer Series: Advances in Computational Intelligence*
39. *International Journal of Agent-Oriented Software Engineering*
40. *Journal of Computers and Applications*
41. *Neurocomputing*
42. *Journal of Communications Software and Systems*
43. *New Generation Computing*
44. *Handbook of Computer Networks*
45. *Journal of Universal Computer Science*
46. *Journal of Advances in Engineering Software*
47. *Systems, Man and Cybernetics, Part A*
48. *International Journal of Applied Mathematics and Computer Science*
49. *International Journal of Hybrid Intelligent Systems*
50. *SIMPRA Journal*
51. *International Journal of Computer Science & Applications*
52. *International Journal of Future Generation Computer Systems*
53. *Annales UMCS-Informatica*
54. *Handbook of Information Security*
55. *EURASIP Journal on Applied Signal Processing*
56. *International Journal of Systems Science*
57. *Concurrency and Computation: Practice and Experience*
58. *Journal of Parallel and Distributed Computing*
59. *Integrated Computer Aided Engineering Journal*
60. *SIAM Review*
61. *IEEE Transactions On Neural Networks*
62. *IEEE Internet Computing*
63. *SIAM Journal on Matrix Analysis and Applications*
64. *International Journal of Parallel and Distributed Systems and Networks*

65. *Simulation Journal*
66. *Scientific Programming Journal*
67. *IEEE Transaction on Parallel and Distributed Systems*
68. *IEEE Computer*
69. *IEEE Transactions on Software Engineering*
70. *ACM Computing Surveys*
71. *IMA Journal of Numerical Analysis*
72. *Linear Algebra and Applications*

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**Awards:**

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1. Medal of 70 Years of Polish Informatics, Polish Information Processing Society, October, 2018
2. Broze Medal “Bene Meritus” of Polish Society for TeleMedicine and eHealth, September, 2017
3. Medal of Polish National Commission on Education, December, 2016
4. 30<sup>th</sup> Anniversary of Polish Information Processing Society Medal, December, 2014
5. Best paper award; 7th International Conference on Internet and Distributed Computing Systems; Calabria, September, 2014
6. Best Presentation Award, ICAISC Conference, Zakopane, Poland, June, 2006
7. Presidents Commendation for the organization of the Permian Basin Supercomputing Conference, UTPB, 1992
8. The Golden Windmill Award for an outstanding young researcher, Awarded by the La Mancha Society, UTPB, May 1991
9. Merit Scholarship, Fall 1984, Spring 1985, Fall 1985, Spring 1986

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**Administration:**

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- Member of the Scientific Board, Systems Research Institute Polish Academy of Sciences, 2019 – present
- Member of Scientific Board, CIOP-PIB, 2017 – present
- Member of the Program Board, Germany-Poland New Energy Foundation, 2014 – present
- Member of the Board, European Cluster Agency, 2014 – present
- Chair of the Scientific Board, Mazovia Cluster ICT, 2012 – present
- Panel leader, Management of Information within a Business Conference, Warsaw, Poland, June, 2014
- External research output evaluator, South Africa’s National Research Foundation (NRF), August, 2012
- External tenure application evaluator, University of Southern Illinois, Carbondale, September 2010
- Session Chair, *AIMS SAC Symposium*, Dijon, France, April, 2005
- Session Chair, *IADIS International Conference Applied Computing 2005*, Algarve, Portugal, February, 2005
- Session Chair, *Multimedia and Network Information Systems Conference*, Szklarska Poręba, Poland, September, 2004
- Session Chair, *IADIS International Conference Applied Computing 2004*, Lisbon, Portugal, March, 2004

- Session Chair, *International Symposium on Parallel and Distributed Computing*, Iași, Romania, July, 2002
- Member of the Departmental Graduate Committee, OSU, Fall 2001 – Summer 2002
- Member of the Departmental Search Committee, OSU, Fall 2001 – Summer 2002
- Session Chair, *5<sup>th</sup> International Conference Business Information Systems (BIS'2002)*, Poznań, Poland, April, 2002
- Session Chair, *4<sup>th</sup> International Conference on Parallel Processing and Applied Mathematics (PPAM'2001)*, Nałęczów, Poland, September, 2001
- Session Chair, *Second Southern Conference on Computing*, Hattiesburg, MS, October, 2000
- Member of the Executive Committee of the *IEEE CS Task Force on Cluster Computing (TFCC)*, December 1998 – 2004
- Interim Coordinator for the Scientific Computing Ph.D. Program, USM, July 1999 – July 2000
- Session Chair, *Second Conference on Numerical Analysis and Applications*, Rousse, Bulgaria, June, 2000
- Member of the Departmental Committee on Second Method for Teaching Evaluation, March 1999 – May 2000
- Session Chair, *13<sup>th</sup> International FLAIRS Conference*, Orlando, FL, May, 2000
- Session Chair, *IASTED International Conference on Parallel and Distributed Computing and Systems*, Las Vegas, NV, October, 1998
- Coach, ACM Programming Contest Team, USM, Fall 1998
- Chairman of the Departmental Committee to Develop Course on Application of Mathcad and MATLAB to Engineering Problem Solving, USM, Spring 1998 – Fall 1998
- Member of the Departmental Committee to Develop a Sequence of Course on Computer Networks, USM, Spring 1998 – Fall 1998
- Member of the College Committee to Develop Course on Technology in Teaching, USM, Spring 1998
- Session Chair, *10<sup>th</sup> International ISCA Conference: Computer Applications in Industry and Engineering*, San Antonio, TX, December, 1997
- Chairman, Department of Mathematics and Computer Science, UTPB, Fall 1993 – May 1997
- Chair of the Intellectual Property Committee, Fall 1996 – May 1997
- Member of the University Faculty/Instructional Development Committee, Fall 1993 – May 1997
- Member of the University Curriculum Committee (elected), Fall 1993 – May 1997
- Directing 25 individual undergraduate student research projects, UTPB, Spring 1991 – May 1997
- Member of the University Faculty Committee on Computer Equipment, UTPB, Fall 1990 – May 1997
- Member of the University Faculty Committee on High Tech Instruction, UTPB, Fall 1992 – May 1995
- Member of the User Advisory Committee of the Center for High Performance Computing, May 1993 - June 1994
- Member of the University Strategic Planning Task Force, UTPB, Spring 1994
- Faculty advisor for ACM Programming Contest Team, UTPB, Fall 1993



- Judge, 7th Permian Basin Regional Science Fair, UT Permian Basin, April 1991
- Member of the Departmental Committee to specify placement requirements for the Pascal course, UTPB, Fall 1990
- Member of the Search Committee for the new Rektor (President), Adam Mickiewicz University, Spring 1983
- Student Representative to the Divisional Faculty Board, Adam Mickiewicz University, Fall 1983 - Spring 1986
- Student Representative to the Divisional Finances Council, Adam Mickiewicz University, Fall 1981 - Spring 1986
- Treasurer of Class of 1986, Adam Mickiewicz University, Fall 1981 - Spring 1986
- Organizer of four tourist camps, Summer 1992 - Summer 1995
- President of the Class, High School No. 3, Poznań, Poland, Fall 1986 - Spring 1991

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### **Professional development:**

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- Social Lab on 'Research Infrastructures, including e-Infrastructures', Invited Expert, 2018-19
- IEEE Leader Researcher Forum, Tokyo, Japan, November, 2013
- "SIGSoft 2<sup>nd</sup> Annual Conference on Software Engineering," New Orleans, December, 1994
- Short Course "Parallel Computation: Practice, Perspectives and Potential," CalTech, January, 1994
- Grant Opportunities in Science and Engineering, San Antonio, November, 1993
- International Summer Institute on Parallel Computer Architectures, Languages and Algorithms, Czech University of Technology, Prague, July 1993
- Workshop "Supercomputing in Undergraduate Education," San Diego Supercomputing Center, July, 1992
- Workshop "Calculus, Concepts, Computers and Cooperative Learning," Purdue University, June, 1992
- Short course "Discrete and Continuous Fourier Analysis," Southern Illinois University, August 1991
- NSF/CBMS Regional Research Conference: "Multigrid and Multilevel Adaptive Methods for Partial Differential Equations," George Washington University, June 1991
- UT System CHPC Training Program (UNICOS), Center for High Performance Computing, January 1991
- Parallel Programming Class, Argonne National Laboratory, December 1990

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### **Organization Membership:**

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- Polish Information Processing Society
- Phi Beta Delta Honorary Society for International Scholars
- Association for Computing Machinery – Senior Member
- IEEE (Computer Society) – Senior Member
- Society for Industrial and Applied Mathematics
- Upsilon Pi Epsilon Honorary Society
- Alumni Society

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### **Personal Information:**

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Date and place of birth:

May 4, 1963, Poznań, Poland

Marital status:  
Languages:

Married, Two + Two Children  
Polish, English, Russian

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### References:

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All letters of reference are available from Department of Mathematics, Southern Methodist University, Dallas, TX 75275

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