

## CURRICULUM VITAE AND LIST OF PUBLICATIONS

Academician Janusz Kacprzyk.  
Professor, Ph.D, D.Sc  
Fellow of IEEE, IFSA  
Systems Research Institute  
Polish Academy of Sciences  
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Birth date: July 12, 1947

Born, raised and lived  
in Warsaw, Poland  
Married, one child

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### Languages:

Polish (mother tongue)  
(fluent): English, Russian,  
          German  
(good): Italian, French, Spanish

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### Academy memberships:

Member–correspondent of the Polish Academy of Sciences, since 2002.  
Foreign Member—correspondent, Spanish Royal Academy of Economic and Financial Sciences (Real Academia de Ciencias Economicas y Financieras), since 2007

### Current employment:

Professor, Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland; 1990 to present.  
Professor, WIT – Warsaw School of Applied Information Technology and Management, Warsaw, Poland, 1999 to present.  
Professor, Industrial Institute of Automation and Measurements (PIAP), Warsaw, Poland, since 2007.

### Honorary professorship:

Honorary External Professor, Department of Mathematics, Yli Normal University, Yining City, Xinjiang City, Xinjiang, P.R. of China, since 2006.

### Visiting professorships:

Visiting Professor, Department of Computer Science, Tijuana Institute of Technology, Tijuana, BC, Mexico, since 2006.  
Visiting Professor, School of Science and Technology, Nottigham Trent University, Nottigham, UK, 2003 – 2006.  
Visiting Professor, Department of Management and Computer Sciences, University of Trento, 38100 Trento, Italy, Spring semester, 1994.  
Visiting Professor, Department of Computer Science, University of North Carolina, Charlotte, NC 29223, USA, Spring semester 1988.  
Visiting Professor, Department of Computer Science, The University of Tennessee, Knoxville, TN 37916, USA, Spring semester, 1986.  
Visiting Professor, Hagan School of Business, Iona College, New Rochelle, NY 10801, USA, 1981 – 1983.

### **Current functions in organizations:**

President, International Fuzzy Systems Association (IFSA), Since 2007.  
President, Polish Society for Operational and Systems Research (PTBOiS), since 2007.

### **Fellowships:**

Fellow, IEEE (Institute of Electrical and Electronics Engineers)  
Fellow, IFSA (International Fuzzy Systems Association)

### **Pioneer Awards:**

Pioneer Award, IEEE CIS (Institute of Electrical and Electronics Engineers, Computational Intelligence Society) for pioneering works on multistage fuzzy control, in particular fuzzy dynamic programming, 2005.  
6-th Kaufmann Award and Gold Medal of pioneering works on the use of fuzzy logic in economics and management, 2006.  
Pioneer Award for Outstanding Contributions to Granular Computing and Computing with Words by the Silicon Valley, California, IEEE Computational Intelligence Society Chapter, 2007.

### **Current research interests:**

- Uncertainty and imprecision in systems modelling,
- Intelligent decision support systems,
- Data mining and knowledge discovery,
- Soft computing, theory and applications,

### **Education and degrees earned:**

1965 - 1970; Studies at the Department of Electronics, Warsaw University of Technology in Warsaw, Poland.  
Major field: computer science and automatic control.  
M.S. in computer science and automatic control received in October, 1970 from the Warsaw University of Technology.  
Ph.D. with distinction in systems analysis received in October, 1977 from the Systems Research Institute, Polish Academy of Sciences in Warsaw, Poland. Dissertation title: Application of fuzzy sets theory for the optimization of organizational structures.  
D.Sc. (habilitation) in computer science in 1990 from the Systems Research Institute, Polish Academy of Sciences.  
Full Professor, since 1997, awarded by President of the Republic of Poland.  
Academician (Member of the Polish Academy of Sciences), since 2002.

### **PUBLICATIONS:**

#### **I. Books, edited volumes and special issues:**

##### **- Books**

1. J. Kacprzyk, Multistage Decision Making in Fuzzy Conditions (in Polish), PWN, Warsaw, 1983.
2. J. Kacprzyk, Multistage Decision Making under Fuzziness, Verlag TÜV Rheinland, Cologne, 1983.
3. J. Kacprzyk, Fuzzy Sets in Systems Analysis (in Polish), PWN, Warsaw, 1986.
4. J. Kacprzyk, Multistage Fuzzy Control: A Model-Based Approach to Control and Decision-Making, Wiley, Chichester, 1997.
5. J. Kacprzyk, Multistage Fuzzy Control (in Polish), Wydawnictwa Naukowo – Techniczne (WNT), Warszawa, 2001.

## - Edited volumes

1. A. Straszak, J. Kacprzyk (Eds.), *Cybernetics Methods in Management* (in Polish), IOK PAN and MNszWiT, Warsaw, 1973.
2. J. Kacprzyk, R.R. Yager (Eds.), *Management Decision Support Systems Using Fuzzy Sets and Possibility Theory*, Verlag TÜV Rheinland, Cologne, 1985.
3. J. Kacprzyk (Ed.), *Proceedings of Seminar on Non-conventional Problems of Optimization, Parts I - IV*, Prace IBS PAN, Warsaw, 1986.
4. J. Kacprzyk, S.A. Orlovski (Eds.), *Optimization Models Using Fuzzy Sets and Possibility Theory*, D. Reidel, Dordrecht/Boston/London, 1987.
5. J. Kacprzyk, M. Roubens (Eds.), *Non-conventional Preference Relations in Decision Making*, Springer - Verlag, Berlin and New York, 1988.
6. J. Kacprzyk, M. Fedrizzi (Eds.), *Combining Fuzzy Imprecision with Probabilistic Uncertainty in Decision Making*, Making Springer-Verlag, Berlin/New York, 1988.
7. J. Kacprzyk, A. Straszak (Eds.), *Proceedings of First Joint IFSA-EC and EURO-WG Workshop on Progress in Fuzzy Sets in Europe* (Warsaw, Poland, November, 1996), Prace IBS PAN, Vol. 167, Warsaw, 1988.
8. J. Kacprzyk, M. Fedrizzi (eds.), *Multiperson Decision Making Problems Using Fuzzy Sets and Possibility Theory*, Kluwer, Dordrecht/Boston/London, 1990.
9. R. Kulikowski, J. Kacprzyk (Eds.), *Systems Research, Vol. 3* (in Polish), Omnitech Press, Warsaw, 1990.
10. M. Fedrizzi, J. Kacprzyk, M. Roubens (Eds.), *Interactive Fuzzy Optimization*, Springer - Verlag, Berlin/New York, 1991.
11. L.A. Zadeh, J. Kacprzyk (Eds.), *Fuzzy Logic for the Management of Uncertainty*, Wiley, New York, 1992
12. J. Kacprzyk and M. Fedrizzi (Eds.), *Fuzzy Regression Analysis*, Omnitech Press, Warsaw and Physica-Verlag, Heidelberg (A Springer-Verlag Company), 1992.
13. R.R. Yager, J. Kacprzyk, M. Fedrizzi (Eds.), *Advances in the Dempster-Shafer Theory of Evidence*, Wiley, New York, 1994.
14. M. Delgado, J. Kacprzyk, J.L. Verdegay, M.A. Vila (Eds.), *Fuzzy Optimization: Recent Advances*, Physica-Verlag, Heidelberg (A Springer-Verlag Company), 1994.
15. R. Kulikowski, K. Szkatuła, J. Kacprzyk (Eds.), *Proceedings of the 9th Polish-Italian and 5th Polish-Finnish Symposium on Systems Analysis and Decision Support in Economics and Technology*, Omnitech Press, Warsaw, 1994.
16. T. Onisawa, J. Kacprzyk (Eds.), *Reliability and Safety Analyses under Fuzziness*, Physica-Verlag, Heidelberg (A Springer-Verlag Company), 1995.
17. P. Bosc, J. Kacprzyk (Eds.), *Fuzziness in Database Management Systems*, Physica-Verlag, Heidelberg (A Springer-Verlag Company), 1995.
18. J. Kacprzyk, H. Nurmi, M. Fedrizzi (Eds.), *Consensus under Fuzziness*, Kluwer, Boston, 1996.
19. R.R. Yager, J. Kacprzyk (Eds.), *The Ordered Weighted Averaging Operators: Theory and Applications*, Kluwer, Boston, 1997.
20. L. Reznik, V. Dimitrov, J. Kacprzyk (Eds.), *Fuzzy Systems Design*, Physica-Verlag (Springer-Verlag), Heidelberg and New York, 1998.
21. R.A. Ribeiro, H.-J. Zimmermann, R.R. Yager, J. Kacprzyk (Eds.), *Soft Computing in Financial Engineering*, Physica-Verlag (Springer-Verlag), Heidelberg and New York, 1999.
22. L.A. Zadeh, J. Kacprzyk (Eds.), *Computing with Words in Information/Intelligent Systems. Part 1. Foundations*, Physica-Verlag (Springer - Verlag), Heidelberg and New York, 1999.
23. L.A. Zadeh, J. Kacprzyk (Eds.), *Computing with Words in Information/Intelligent Systems. Part 2. Applications*, Physica-Verlag (Springer - Verlag), Heidelberg and New York, 1999.
24. M.A. Vila, O. Pons, J. Kacprzyk (Eds.), *Knowledge Management in Fuzzy Databases*, Physica-Verlag (Springer - Verlag), Heidelberg and New York, 2000.
25. P. Szczepaniak, P. Lisboa, J. Kacprzyk (Eds.), *Fuzzy Systems in Medicine*, Physica-Verlag (Springer - Verlag), Heidelberg and New York, 2000.
26. J. Studziński, O. Hryniewicz, J. Kacprzyk, L. Drelichowski (Eds.), *Information Technologies in Management. Decision Support Systems* (in Polish). IBS PAN, Warszawa, 2000.
27. H. Larsen, J. Kacprzyk, S. Zadrozny, T. Andreasen, H. Christiansen (Eds.), *Flexible Query Answering Systems: Recent Advances*, Physica-Verlag (Springer-Verlag), Heidelberg and New York, 2001.

28. D. Ruan, J. Kacprzyk, M. Fedrizzi (Eds.), *Soft Computing for Risk Evaluation and Management*, Physica - Verlag (Springer-Verlag), Heidelberg and New York, 2001.
29. L.C. Jain, J. Kacprzyk (Eds.), *New Learning Paradigmes in Soft Computing*, Physica-Verlag (Springer-Verlag), Heidelberg and New York, 2001.
30. J. Kacprzyk, J. Węglarz (Eds.): *Operational and Systems Research against Challenges of the XXI Century. Modelling and Optimization. Methods and Applications* (in Polish). Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2002.
31. J. Kacprzyk, D. Wagner (Eds.): *Group Decisions and Voting*. Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2003.
32. L. Rutkowski, J. Kacprzyk (Eds.): *Neural Networks and Soft Computing*. Springer-Verlag, Heidelberg New York, 2003.
33. X. Yu, J. Kacprzyk (Eds.): *Applied Decision Support with Soft Computing*. Springer Verlag, Berlin, 2003.
34. A. Abraham, L.C. Jain, J. Kacprzyk (Eds.): *Recent Advances in Intelligent Paraddigms and Applications*, Springer Verlag, Heidelberg and New York, 2003.
35. P. Szczepaniak, S. Segovia, J. Kacprzyk, L.A. Zadeh (Eds.): *Intelligent Exploration of the Web*. Physica-Verlag, Heidelberg and New York, 2003.
36. I. Batyrshin, J. Kacprzyk, L. Sheremetov (Eds.): *Proceedings of the International Conference on Fuzzy Sets and Soft Computing in Economics and Finance (FSSCEF 2004, St. Peterburg, Russia, 2004)*, Vols. 1 and 2, Instituto Mexicano del Petrolío, Mexico, Russian Fuzzy Systems Association, Moscow, 2004.
37. K.T. Atanassov K., O. Hryniewicz, J. Kacprzyk J. (Eds.): *Soft computing. Foundations and Theoretical Aspects*. Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2004.
38. K.T. Atanassov, J. Kacprzyk, M. Krawczak (Eds.): *Issues in Intuitionistic Fuzzy Sets and Generalized Nets. Volume 1*. Warsaw School of Information Technology (Wyższa Szkoła Informatyki Stosowanej i Zarządzania), Warszawa, 2004.
39. K.T. Atanassov, J. Kacprzyk, M. Krawczak M. (Eds.): *Issues in Intuitionistic Fuzzy Sets and Generalized Nets . Volume 2*. Warsaw School of Information Technology (Wyższa Szkoła Informatyki Stosowanej i Zarządzania), Warszawa, 2004.
40. B. De Baets B., R. De Caluwe, G. De Tré, J. Fodor, J. Kacprzyk, S. Zadrozny S. (Eds.): *Current Issues in Data and Knowledge Engineering*. Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2004.
41. R. Kulikowski, J. Kacprzyk and R. Słowiński R. (Eds.): *Operations and Systems Research 2004. Decision Making – Methodological Foundations and Applications* (in Polish). Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2004.
42. K.T. Atanassov K., Hryniewicz O., Kacprzyk J. (Eds.): *Soft Computing. Foundations and Theoretical aspects*. Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2004.
43. J. Kacprzyk J., Z. Nahorski, D. Wagner (Eds.): *Applications of Systems Research in Economics, Science and Technology* (in Polish). Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2005.
44. M. Nikraves L.A. Zadeh, J. Kacprzyk (Eds.): *Soft Computing for Information Processing and Analysis*. Springer Verlag, Heidelberg and New York, 2005.
45. W. Duch, Kacprzyk J., Oja E., Zadrozny S. (Eds.): *Artificial Neural Networks: Biological Inspirations - ICANN 2005*. Springer Verlag, Berlin, Heidelberg, New York, LNCS 3696. 2005.
46. W. Duch W., Kacprzyk J., Oja E., Zadrozny S. (Eds.): *Artificial Neural Networks: Formal Models and Their Applications - ICANN 2005*. Springer Verlag, Berlin, Heidelberg, New York, LNCS 3697, 2005.
47. O. Hryniewicz O., Kacprzyk J., Koronacki J., Wierzchoń S. (Eds.): *Issues in Intelligent Systems. Paradigms*. Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2005.
48. O. Hryniewicz O., Kacprzyk J., Kuchta D. (Eds.): *Issues in Soft Copmputing. Decisions and Operations Research*. Akademicka Oficyna Wydawnicza EXIT, Warszawa, 2005.
49. J. Kacprzyk, Krawczak M., Atanassov K. (Eds.): *Issues in Intuitionistic Fuzzy Sets and Generalized Nets. Vol. 2*. Wyższa Szkoła Informatyki Stosowanej i Zarządzania, Warszawa, 2005.
50. J. Kacprzyk, Krawczak M., Szmidt E., Atanassov K. (Eds.): *Issues in the Representation and Processing of Uncertain and Imprecise Information. Fuzzy Sets, Intuitionistic Fuzzy Sets, Generalized Nets, and Related Topics*. EXIT, Warszawa, 2005.
51. P. Szczepaniak P., Kacprzyk J., Niewiadomski A. (Eds.): *Advances in Web Intelligence*. Springer Verlag, Berlin Heidelberg, LNAI 3528, 2005.
52. K.T. Atanassov, J. Kacprzyk, M. Krawczak, E. Szmidt E. (Eds.): *Issues in Intuitionistic Fuzzy Sets and Generalized Nets . Vol. 3*. Wyższa Szkoła Informatyki Stosowanej i Zarządzania, Warszawa 2006.
53. J. Kacprzyk, R. Budziński (Eds.): *Badania Operacyjne i Systemowe 2006. Metody i Techniki*. Akademicka Oficyna Wydawnicza EXIT, Warszawa 2006.

54. R. Kulikowski, Z. Bubnicki, J. Kacprzyk (Eds.): Systemowo-Komputerowe Wspomaganie Zarządzania Wiedzą. Akademicka Oficyna Wydawnicza EXIT, 2006.
55. Castillo O., Melin P., Kacprzyk J., Pedrycz W. (Eds.): Hybrid intelligent systems - Analysis and Design. Springer Verlag, Heidelberg and New York, 2007.
56. P. Melin, O. Castillo, L.T. Aguilar, J. Kacprzyk, W. Pedrycz (Eds.): Foundations of Fuzzy Logic and Soft Computing – 12<sup>th</sup> World IFSA Congress, Springer Verlag, Heidelberg and New York, LNCS 4529, 2007.
57. P. Melin, O. Castillo, E.G. Ramirez, J. Kacprzyk, W. Pedrycz (Eds.): Analysis and Design of Intelligent Systems Using Soft Computing Techniques. Springer Verlag, Heidelberg and New York, 2007.
58. I. Batyrshin, J. Kacprzyk, L. Szeremetov, L.A. Zadeh (Eds.): Perceptron-based Data Mining and Decision Making In Economics and Finance. Springer Verlag, Heidelberg and New York, 2007.
59. M. Nikraves, J. Kacprzyk, L.A. Zadeh (Eds.) Forging New Frontiers: Fuzzy Pioneers I. Springer Verlag, Heidelberg and New York, 2007.
60. K. Atanassov, Gluhchev G., Hadjitodorov S., Kacprzyk J., Shannon A., Szmidt E., Vassilev V. (Eds.): Generalized nets decision making and pattern recognition. Vol. 3, WIT - Wyższa Szkoła Informatyki Stosowanej i Zarządzania, Warszawa 2007.
61. K. Atanassov, Kacprzyk J., Krawczak M., Szmidt E. (Eds.): Issues in intuitionistic fuzzy sets and generalized nets, Vol. 4. WIT - Wyższa Szkoła Informatyki Stosowanej i Zarządzania, Warszawa 2007.
62. K. Atanassov, Kacprzyk J., Krawczak M., Szmidt E. (Eds.): Issues in intuitionistic fuzzy sets and generalized nets, Vol. 5. WIT – Wyższa Szkoła Informatyki Stosowanej i Zarządzania, Warszawa 2007.
63. J. Kacprzyk (Ed.): Studies & Proceedings. Polish Association for Knowledge Management. No. 11. Bydgoszcz 2007.
64. J. Kacprzyk (Ed.): Studies&Proceedings Polish Association for Knowledge Management. No. 9. Polish Association for Knowledge Management, Bydgoszcz 2007.
65. P. Kulczycki, Hryniewicz O., Kacprzyk J. (Eds.): Information technology In Systems Research (In Polish). WNT, Warsaw, 2007.
66. M. Nikraves M., Kacprzyk J., Zadeh L. (Eds.): Forging new frontiers: fuzzy pioneers I. Springer Verlag, Heidelberg 2007.
67. M. Nikraves, Kacprzyk J., Zadeh L. (Eds.): Forging new frontiers: fuzzy pioneers II. Springer Verlag, Heidelberg 2008.
68. R. Bello, Falcon R., Pedrycz W., Kacprzyk J. (Eds.): Granular computing: at the junction of rough sets and fuzzy sets. Springer Verlag, Heidelberg, 2008.
69. A.-O. Hassani, Abraham A., Kacprzyk J. (Eds.): Computational intelligence in multimedia processing: recent advances. Springer Verlag, Heidelberg, 2008.

## **II. Articles in journals, edited volumes, proceedings, etc.:**

1. J. Kacprzyk, Application of fuzzy sets theory for the optimal assignment of work places (in Polish), *Archiwum Automatyki i Telemekhaniki*, T. XX, 247-260, 1975.
2. J. Kacprzyk and W. Stańczak, Application of the method of minimal groups for the partitioning of a group of enterprises into subgroups (in Polish), *Archiwum Automatyki i Telemekhaniki*, T. XX, 513-526, 1975.
3. J. Kacprzyk and W. Stańczak, On an extension of the method of minimally interconnected subnetworks, *Control and Cybernetics*, Vol. 5, 61-77, 1976.
4. J. Kacprzyk and W. Stańczak, Application of cluster theory for the partitioning of a group of enterprises into subgroups (in Polish), *Organizacja i Kierowanie*, No. 6, 45-62, 1976.
5. J. Kacprzyk, Application of fuzzy relations for the ordering of subcriteria in complex multicriteria problems (in Russian), in *Proceedings of 5th Polish - Bulgarian Symposium on Applications of Cybernetics in National Economy (Zakopane, Poland, 1975)*, IOK PAN and MNSzWiT, Warsaw, 1976, pp. 126-136.
6. J. Kacprzyk and R. Weinfeld, A simple algorithm for random generation of organizational structures with a specified number of hierarchy levels, *Archiwum Automatyki i Telemekhaniki*, T. XXII, 51-61, 1977.
7. J. Kacprzyk and W. Stańczak, On the partitioning of a computer network into subnetworks and on the allocation of distributed databases (in Polish), *Organizacja i Kierowanie*, No. 8, 17-31, 1977.
8. J. Kacprzyk, Control of a nonfuzzy system in a fuzzy environment with a fuzzy termination time, *Systems Science*, Vol. 3, 320-334, 1977.
9. J. Kacprzyk and W. Stańczak, Partitioning a computer network into subnetworks and allocation of distributed databases, in J. Stoer (Ed.), *Optimization Techniques, Part 2*, Springer-Verlag, Berlin/New York, 1978, pp. 464-473.

10. J. Kacprzyk, A branch-and-bound algorithm for the multistage control of a nonfuzzy system in a fuzzy environment, *Control and Cybernetics*, Vol. 7, 51-64, 1978.
11. J. Kacprzyk, Control of a stochastic system in a fuzzy environment with a fuzzy termination time, *Systems Science*, Vol. 4, 291-300, 1978.
12. J. Kacprzyk and W. Stańczak, On a further extension of the method of minimally interconnected subnetworks, *Control and Cybernetics*, Vol. 7, 17-31, 1978.
13. J. Kacprzyk, Decision-making in a fuzzy environment with fuzzy termination time, *Fuzzy Sets and Systems*, Vol. 1, 169-179, 1978.
14. J. Kacprzyk, A branch-and-bound algorithm for the multistage control of a fuzzy system in a fuzzy environment, *Kybernetes*, Vol. 8, 139-147, 1979.
15. W. Stańczak and J. Kacprzyk, On the correlation between the national income and the degree of telephone saturation in the country (in Polish), *Archiwum Elektrotechniki*, T. XXVIII, 905-913, 1979.
16. J. Kacprzyk and W. Stańczak, On the optimal location of a central warehouse in a supply system (in Polish), *Archiwum Automatyki i Telemekhaniki*, T. XXV, 109-120, 1980.
17. J. Kacprzyk and P. Staniewski, A new approach to the control of stochastic systems in a fuzzy environment, *Archiwum Automatyki i Telemekhaniki*, T. XXV, 433-443, 1980.
18. J. Kacprzyk and P. Staniewski, Determination of long - range inventory policies via fuzzy decision - making models, In *Proceedings of 4th Polish - Italian Conference on Applications of Systems Theory to Economy, Management and Technology* (Toruń, 1980), IBS PAN, Warszawa, 1980, pp. 327-335.
19. J. Kacprzyk and A. Straszak, Determination of 'stable' integrated regional development trajectories via fuzzy decision-making models, In *Proceedings of 4th Polish - Italian Conference on Applications of Systems Theory to Economy, Management and Technology* (Toruń, 1980), IBS PAN, Warszawa, 1980, pp. 337-347.
20. A. Straszak, J.W. Owsiniński and J. Kacprzyk, Multicriteria policy assessment for regional agriculture through detailed optimization models, In *Proceedings of 4th Polish - Italian Conference on Applications of Systems Theory to Economy, Management and Technology* (Toruń, 1980), IBS PAN, Warszawa, 1980, pp. 563-580.
21. J. Kacprzyk, J.W. Owsiniński and A. Straszak, Agricultural policy making for integrated regional development in a mixed economy, In A. Titli and M.G. Singh (Eds.): *Proceedings of Second IFAC Large Scale Systems Theory and Applications Symposium* (Toulouse, France, 1979), Pergamon Press, Oxford, 1980, pp. 9.
22. M.M. Albegov, A. Straszak, J. Kacprzyk and J.W. Owsiniński, A generalized regional agriculture model GRAM for the Upper Noteć region (in Polish), *Prace IBS PAN*, Vol 50, Warsaw, 1980.
23. M.M. Albegov, J. Kacprzyk, J.W. Owsiniński and A. Straszak, Regional agricultural policy making on the basis of a detailed economic and agricultural model, Working Paper WP-80-18, International Institute for Applied Systems Analysis, Laxenburg (Austria), 1980.
24. J. Kacprzyk and W. Stańczak, Some contribution to the method of minimal sets for large graphs, *Control and Cybernetics*, Vol. 10, 89-100, 1981.
25. J. Kacprzyk, K. Safteruk and P. Staniewski, Control of a stochastic system in a fuzzy environment over an infinite horizon in a non-Bellman-Zadeh setting, In A. Straszak and A. Ziółkowski (Eds.), *Proceedings of First Polish - Finnish Symposium on Systems Analysis and its Applications* (Zaborów, Poland, 1980), Prace IBS PAN, Warszawa, 1981, Part I, pp. 79-91.
26. J. Kacprzyk and M. Krawczak, On an inexact transportation problem, In K. Iracki, K. Malanowski and S. Walukiewicz (Eds.), *Optimization Techniques*, Springer - Verlag, Berlin / New York, 1980, pp. 373-379.
27. J. Kacprzyk and A. Straszak, Application of fuzzy decision -making models for determining optimal policies in `stable' integrated regional development, In P. P. Wang and S. K. Chang (Eds.), *Fuzzy Sets Theory and Applications to Policy Analysis and Information Systems*, Plenum, New York, 1980, pp. 321-328.
28. M.M. Albegov, J. Kacprzyk, J.W. Owsiniński and A. Straszak, Regional agricultural policy making on the basis of a detailed economic and agricultural model, In J.M.L. Janssen, L.F. Pau and A. Straszak (Eds.): *Dynamic Modelling and Control of National Economies*, Pergamon Press, Oxford, pp. 231-245, 1980.
29. J. Kacprzyk, K. Safteruk and P. Staniewski, On the control of stochastic systems in a fuzzy environment over infinite horizon, *Systems Science*, Vol. 7, 121-131, 1981.
30. J. Kacprzyk, T. Stachowiak and W. Stańczak, On a practical method for determining the cost of a telecommunication network of a hierarchical structure (in Polish), *Archiwum Elektrotechniki*, T. XXX, 575-600, 1981.

31. J.W. Owsinski and J. Kacprzyk, The Kinki regional model system: problems and model structures, In R. Kulikowski (Ed.): *Systems Analysis Applications in Modelling of Regional Development*, PWN, Warszawa-Lódź, 1981, pp. 87-100.
32. J. Kacprzyk, Multistage decision processes in a fuzzy environment: a survey, In M.M. Gupta and E. Sanchez (Eds.), *Fuzzy Information and Decision Processes*, North-Holland, Amsterdam, 1982, pp. 251 - 253.
33. J. Kacprzyk and P. Staniewski, Long-term inventory policy-making through fuzzy decision- making models, *Fuzzy Sets and Systems*, Vol. 8, 117-132, 1982.
34. M.M. Albegov, J. Kacprzyk, W. Orchard-Hays, J.W. Owsinski and A. Straszak, A general regional agriculture model GRAM applied to a region in Poland, RR-82-26, International Institute for Applied Systems Analysis, Laxenburg (Austria), 1982.
35. J. Kacprzyk and A. Straszak, A fuzzy approach to the stability of integrated regional development, In G.E. Lasker (Ed.): *Applied Systems and Cybernetics*, Vol. 6, Pergamon Press, New York, 1982, pp. 2997-3004.
36. J. Kacprzyk and A. Straszak, Determination of 'stable' regional development trajectories via a fuzzy decision-making model, In R.R. Yager (Ed.): *Recent Developments in Fuzzy Sets and Possibility Theory*, Pergamon Press, New York, 1982, pp. 531-541.
37. J. Kacprzyk, Control of a stochastic system in a fuzzy environment with Yager's probability of a fuzzy event, *Busefal*, No. 12, 77-88, 1982/83.
38. W. Stańczak and J. Kacprzyk, Remarks on rationalizing the configuration of a network, In *Proceedings of Seventh Colloquium on Microwave Communication*, Vol. I, OMIKK - Technoinform, Budapest, 1982, pp. 253-256.
39. J. Kacprzyk and P. Staniewski, Control of a deterministic system in a fuzzy environment over an infinite planning horizon, *Fuzzy Sets and Systems*, Vol. 10, 291-298, 1983.
40. J. Kacprzyk, A generalization of fuzzy multistage decision making and control via linguistic quantifiers, *International Journal of Control*, Vol. 38, 1249-1270, 1983.
41. J. Kacprzyk and P. Staniewski, Control of a fuzzy system over infinite horizon via approximation by reference fuzzy sets, In *Proceedings of Third Polish - German (GDR) Seminar on Non-Conventional Optimization Problems*, ZFR Info.- 83.01, Berlin, 1983, pp. 93 -106.
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#### **- Special Issues of Journals**

1. J. Kacprzyk (Guest ed.), Special Issue on Fuzzy Sets and Possibility Theory in Optimization Models, Control and Cybernetics, Vol. 13, No. 3, 1984.
2. J. Kacprzyk and E.H. Mamdani (Guest eds.), Proceedings of International Symposium on Fuzzy Information Processing in Operations Research and Artificial Intelligence (Cambridge, UK, September, 1984), Special Issue of Fuzzy Sets and Systems, Vol. 23, No. 1, 1987.
3. M. Zemankova and J. Kacprzyk (Guest eds.), Integrating Artificial Intelligence and Database Technologies, Special Issue of Journal of Intelligent Information Systems, Vol. 2, No 4, 1993.
4. D. Rutkowska, J. Kacprzyk and L.A. Zadeh (Guest eds.), Computing with Words and Perceptions, Special Issue of International Journal of Applied Mathematics and Computer Science, vol. 12, no 3, 2002.
5. Horak J., Kacprzyk J., Morris A., Owsiniński J., Zadrożny S. (Eds.): *Novel Approaches and Soft Methodologies in Geographic Information Systems: A Decision Support Perspective*. Special Issue of Control and Cybernetics, Vol. 35, No.1. 2006.

#### **Professional experience (permanent posts):**

Research consultant, Industrial Institute of Automation and Measurements (PIAP), Warsaw, Poland, 1994 - 1996.

Director of Doctoral Studies, Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland; 1992-1998.

Deputy Director for Research, Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland, 1998 - 2006.

Head of Laboratory for Intelligent Systems, Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland, since 2006.

Professor, Industrial Institute of Automation and Measurements (PIAP), Warsaw, Poland, since 2007.

**Ph.D. dissertations supervised:**

- on inductive learning (G. Szkatuła) -finished in 1996
- on fuzzy querying in a DBMS (D. Łazar) - finished in 1996
- on a (quasi) natural language interface to a DBMS (W. Dobrzyński) - finished in 1996
- on linguistic summaries of databases (P. Strykowski) – finished in 1999
- on the use of L-fuzzy sets and algebraic methods in finite automata (J. Tang) – finished in 2004.
- on the use of immunological algorithms for the classification of satellite images of forests (V. Taylor) – to be finished in 2008.
- on the use of linhuistic data summaries to support financial decisions (A. Wilbik) – to be finished in ca. 2010.

**Member of International Program Committees at conferences:**

1. Third IFAC/IFORS Symposium on Large Scale Systems Theory and Applications, Warsaw, Poland, 1983.
2. First IFSA (International Fuzzy Systems Association) Congress, Palma de Mallorca, Spain, 1985.
3. First International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Paris, France, 1986.
4. Second IFSA (International Fuzzy Systems Association) Congress, Tokyo, Japan, 1987.
5. Computer-Based Systems and Methods for Supporting Decision Making, Warsaw, Poland 1987.
6. International Workshop on Fuzzy System Applications, Fukuoka, Japan, 1988.
7. Workshop on Knowledge-Based Systems and Models of Logical Reasoning, Cairo, Egypt, 1988.
8. Second International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Urbino, Italy, 1988.
9. First Spanish - Polish Conference on Computer Science and Systems Analysis, Granada, Spain, 1988.
10. Third IFSA (International Fuzzy Systems Association) Congress, Seattle, USA, 1989.
11. Eighth Italian-Polish Symposium on Systems Analysis and Decision Support in Economics and Technology, Levico Terme (Trento), Italy, 1989.
12. International Symposium on Fuzzy Approach to Reasoning and Decision - Making, Bechyne (Czechoslovakia), 1990.
13. Conference of North American Fuzzy Information Processing Society (NAFIPS '90) - A Quarter Century of Fuzzy Sets, Toronto, Canada, 1990.
14. Second Polish - Spanish Conference on Systems Analysis and Computer Science, Rozalin, Poland, 1990.
15. Third International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU '90), Paris, France, 1990.
16. First International Conference on Fuzzy Logic and Neural Networks (IIZUKA '90), Iizuka, Japan, 1990.
17. First International Symposium on Uncertainty Modeling and Analysis, College Park, MD, USA, 1990.
18. International Fuzzy Engineering Symposium '91 (IFES '91), Yokohama, Japan, 1991.
19. Second Fuzzy Symposium on Fuzzy Systems and Their Applications to Human and Natural Systems, Tokyo (Japan), 1991.
20. First International Conference on Fuzzy Systems (FUZZ-IEEE '92), San Diego, CA, USA, 1992.
21. Fourth International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU '92), Palma de Mallorca, Spain, 1992.
22. Second International Conference on Fuzzy Logic and Neural Networks (IIZUKA '92), Iizuka, Japan, 1992.
23. First International Conference on Fuzzy Theory and Technology - Control and Decision (FT&T '92), Durham, NC, USA, 1992.
24. IFORS Specialized Conference on Transition to Advanced Market Economies, Warsaw, Poland 1992.
25. Second IEEE International Conference on Fuzzy Systems (FUZZ-IEEE '93), San Francisco, CA, USA, 1993.
26. Fifth IFSA (International Fuzzy Systems Association) Congress, Seoul, Korea, 1993.
27. Ninth Polish-Italian and Fifth Polish Finnish Symposium on Systems Analysis and Decision Support in Economics and Technology, Radziejowice (Poland), 1993.

28. Fifth International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU '94), Paris, France, 1994.
29. Third IEEE International Conference on Fuzzy Systems (FUZZ-IEEE'94), Orlando, FL, USA, 1994.
30. National Conference on Decision Analysis, Expert Systems, and Applications of Computer Systems, Warsaw, Poland 1994.
31. CIFT '94 – 4th International Workshop on Current Issues in Fuzzy Technologies: Decision Models and Systems, Trento, Italy, 1994.
32. FUBEST '94 – First Workshop on Fuzzy Based Expert Systems, Sofia, Bulgaria, 1994.
33. ANZIS'94 - Second Australian and New Zealand Conference on Intelligent Information Systems, Brisbane, Australia, 1994.
34. IIZUKA'94 - Third International Conference on Fuzzy Logic, Neural Networks and Soft Computing, Iizuka, Fukuoka, Japan, 1994.
35. FUZZ-IEEE/IFES'95 - The International Joint Conference of the Fourth International Conference on Fuzzy Systems and the Second International Fuzzy Engineering Symposium, Tokyo, Japan, 1995.
36. Sixth IFSA (International Fuzzy Systems Association) Congress, Sao Paulo, Brazil, 1995.
37. CIFT '95 - 5th International Workshop on Fuzzy Technologies: Decision Models and Systems, Trento, Italy, 1995.
38. ANNES '95 - The Second New Zealand International Two-Stream Conference on Artificial Neural Networks and Expert Systems, Dunedin, New Zealand, 1995.
39. Fourth Annual Conference on Fuzzy Theory and Technology (Second Annual Joint Conference on Information Sciences), Wrightsville Beach, NC, USA, 1995.
40. 4th IFSICC - International Fuzzy Systems and Intelligent Control Conference, Maui, HI, USA, 1996.
41. FUZZY '96 - Fuzzy Logic in Engineering and Natural Sciences - International Fuzzy Conference, Zittau, Niemcy, 1996.
42. Sixth International Conference on Information Processing and Management of Uncertainty in Knowledge - Based Systems (IPMU '96), Granada, Hiszpania, 1996.
43. CAI'96: Colloquia in Artificial Intelligence Theory and Applications - First Polish Conference on Theory and Applications of Artificial Intelligence, Łódź (Poland), 1996.
44. EFDAN'96 - European Workshop on Fuzzy Decision Analysis for Management, Planning and Optimization, Dortmund, Germany, 1996.
45. SIC'96 - International Panel Conference on Soft and Intelligent Computing, Budapest, Hungary, 1996.
46. FUBEST '96 – Second Workshop on Fuzzy Based Expert Systems, Sofia, Bulgaria, 1996.
47. First International Workshop CIFT/MEPP'96 (Current Issues on Fuzzy Technologies Methods and Environments for Planning and Programming), Aversa and Naples, Italy, 1996.
48. ICONIP'97 - The Fourth International Conference on Neural Information Processing, (jointly with ANZIS'97- The Annual Conference of the Asian Pacific Neural Network Assembly, and and ANNES'97 - The Fifth Australian and New Zealand International Conference on Intelligent Information Processing Systems, and The Third New Zealand International Conference on Artificial Neural Networks and Expert Systems, Dunedin/Queenstown, New Zealand, 1997.
49. AUTOMATION'97, Automation - New Trends and Perspectives, Warsaw, 1997.
50. FT&T'97 - Fifth International Conference on Fuzzy Theory and Technology, Raleigh, NC, USA, 1997.
51. Third National Scientific Conference on Knowledge Engineering and Expert Systems, Wrocław, 1997.
52. EFDAN'97 - Second European Workshop on Fuzzy Decision Analysis and Neural Networks for Management, Planning and Optimization, Dortmund, 1997.
53. Seventh IFSA (International Fuzzy Systems Association) World Congress, Prague, 1997.
54. FUZZ-IEEE/IFES'97 - Sixth IEEE International Conference on Fuzzy Systems, Barcelona, 1997.
55. FLINS'98 - Third International FLINS Workshop on Fuzzy Logic and Intelligent Technologies for Nuclear Science and Industry, Antwerp, 1998.
56. SMC - Systems Modelling and Control, Zakopane, 1998.
57. AUTOMATION'98, Warsaw, 1998.
58. First International Conference on Rough Sets and Current Trends in Computing (RSCTC'98), Warsaw, 1998.
59. Seventh International Conference in Information Processing and Management of Uncertainty in Knowledge - Based Systems (IPMU'98), Paris, 1998.
60. Fifth International Conference on Soft Computing and Information/Intelligent Systems (IIZUKA'98), Iizuka, 1998.
61. AUTOMATION'99, Warsaw, 1999.
62. Medical Informatics and Fuzzy Technology (MIF'99), Hanoi, 1999.

63. ICONNIP'99 - 6th International Conference on Neural Information Processing, jointly with the 7th Australian and New Zealand International Conference on Intelligent Information Processing Systems, and the 5th New Zealand International Conference on Artificial Neural Networks and Expert Systems, and the 11th Australian Conference on Neural Networks. Perth (Australia), 1999.
64. CAPRDT '99 The 4th International Conference on Advances in Pattern Recognition and Digital Techniques. 1999, Calcutta (India).
65. The Seventh International Workshop on Rough Sets, Fuzzy Sets, Data Mining, and Granular-Soft Computing. Yamaguchi (Japan), 1999
66. Australian Workshop on AI in Electronic Commerce, Sydney (Australia), December, 1999.
67. AUTOMATION'2000, Warsaw (Poland), 2000.
68. East West Fuzzy Colloquium 2000, 8<sup>th</sup> Zittau Fuzzy Colloquium, Zittau (Germany), 2000.
69. FUZZ-IEEE'2000, San Antonio, TX (USA), 2000.
70. ISCI'2000 – International Symposium on Computational Intelligence, Kosice (Slovakia), 2000.
71. FLINS'2000 - Fourth International Conference on Intelligent Techniques and Soft Computing in Nuclear Science and Engineering, Bruges (Belgium), 2000.
72. GECCO'2000 – The 2000 Genetic and Evolutionary Computation Conference, Las Vegas (USA), 2000.
73. NAFIPS'2000 – Conference of North American Fuzzy Information Processing Society, Atalanta (USA), 2000.
74. Second International Discourse With Fuzzy Logic in the New Millenium, Meckay (Australia), 2000.
75. FQAS'2000 – Flexible Query Answering Systems '2000, Warsaw, Poland, 2000.
76. Fifth Conference on Neural Networks and Soft Computing, Zakopane (Poland), 2000.
77. MMAR'2000 – Sixth International Conference on Methods and Models in Automation and Robotics, Międzyzdroje (Poland), 2000.
78. RSCTC'2000 - Second International Conference on Rough Sets and Current Trends in Computing, Banff (Canada), 2000.
79. Sixth International Conference on Soft Computing (IIZUKA'2000), Iizuka, Fukuoka (Japan), 2000.
80. AUTOMATION'2001, Warsaw (Poland), 2001.
81. EUROFUSE'2001, EUROFUSE Workshop on Preference Modelling and Applications (Granada, Spain), 2001.
82. Joint 9th IFSA World Congress and 20th NAFIPS International Conference, Vancouver, Canada, 2001 (Area Chair: Databases, Intelligent Systems).
83. EUSFLAT 2001, Second Conference of the European Society for Fuzzy Logic and Technology (Leicester, England), 2001.
84. ISDA'2001 – Intelligent Systems Design and Applications, in conjunction with the The 2001 International Conference on Computational Science (San Francisco, USA), 2001.
85. FUZZ-IEEE'01 – The 10th IEEE International Conference on Fuzzy Systems (Melbourne, Australia), 2001.
86. HIS'01 – First International Workshop on Hybrid Intelligent Systems, Adelaide, Australia, 2001.
87. 7th FUZZY DAYS – International Conference on Computational Intelligence, Dortmund, Germany, 2001.
88. HISDM'2001 - International Workshop on Hybrid Intelligent Systems for Data Mining (in conjunction with ICDM 2001 - The 2001 IEEE International Conference on Data Mining), San Jose, USA, 2001.
89. MSK'01 – Third National Conference on Methods and Computer Systems in Scientific Research and Engineering Design, Cracow, Poland, 2001.
90. FLINT 2001 – New Directions in Enhancing the Power of the Internet, Berkeley, CA, USA, 2001.
91. FTT'02 - 8<sup>th</sup> Conference on Fuzzy Theory and Technology, Durham, USA, 2002.
92. FUZZ-IEEE'2002 - The 2002 IEEE International Conference on Fuzzy Systems (part of the 2002 IEEE World Congress on Computational Intelligence), Honolulu, USA, 2002.
93. GECCO-2002 - Fourth Annual Genetic and Evolutionary Computation Conference (Genetic Algorithms Track), New York, USA, 2002.
94. E-ISCI'02 - Second Euro-International Symposium on Computational Intelligence, Košice, Slovakia, 2002.
95. FLINS'2002 – Fifth International FLINS Conference on Computational Intelligent Systems for Applied Research. Gent, Belgium, 2002.
96. AUTOMATION'2002, Warsaw (Poland), 2002.
97. HIS'02 – Second International Workshop on Hybrid Intelligent Systems, Santiago de Chile, Chile, 2002.
98. IPMU'2002 – 9th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Annecy, France, 2002.
99. Third WSES Conference on NNA (Neural Networks and Applications), FSFS (Fuzzy Sets and Fuzzy Systems) and EC (Evolutionary Computation), Interlaken, Switzerland, 2002.

- 100.ICONIP'02-SEAL'02-FSKD'02 - 9th International Conference on Neural Information Processing, 4th Asia-Pacific Conference on Simulated Evolution And Learning, and 2002 International Conference on Fuzzy Systems and Knowledge Discovery, Singapore, 2002.
- 101.ICNNSC'2002 - Sixth International Conference on Neural Networks and Soft Computing, Zakopane, Poland, 2002.
102. ISDA'2002 – Second International Workshop on Intelligent System Design and Applications, Atlanta, GA, USA
- 103.KSR'2002 – National Conference on Fuzzy Systems (Honorary Co-chair), Cracow, Poland,
- 104.AFSS 2002 - International Conference on Fuzzy Systems, Calcutta, India (Area chair: data mining), 2002.
- 105.RSCTC'02 – Rough Sets and Current Trends in Computing, Penn State Great Valley, USA, 2002.
- 106.Soft-Ware – Computing in an Imperfect World, Belfast, Northern Ireland, 2002.
- 107.BIS'2002 – 5<sup>th</sup> International Conference on Business Information Systems, Poznań, Poland, 2002.
- 108.NF'2002 – First International NAISO Congress on Neuro-Fuzzy Technologies, (Havana, Cuba), 2002.
- 109.FQAS'2002 – Fifth International Conference on Flexible Query Answering Systems, Copeng\hagen, Denmark, 2002.
- 110.NAFISP – FLINT 2002: Workshp of Special Interest Group on Fuzzy Logic and the Internet, New Orleans, USA, 2002.
- 111.10<sup>th</sup> International Fuzzy Systems Association (IFSA) World Congress, Istanbul, Turkey, 2003 (Advisory Committee).
- 112.FUZZ-IEEE'03 – The IEEE International Conference on Fuzzy Systems, St. Louis, MO, USA, 2003.
- 113.AI-METH 2003 – Symposium in Methods of Artificial Intelligence, Gliwice, Poland, 2003.
- 114.BIS'2003 – Sixth International Conference on Business Information Systems, Colorado Springs, USA, 2003.
- 115.2003 BISC FLINT-CIBI International Joint Workshop on Soft Computing for Internet and Bioinformatics, Berkeley, CA, USA, 2003.
- 116.KES'2003 – Seventh International Conference on Knowledge-based Intelligent Information and Engineering Systems, Oxford, U.K., 2003.
- 117.ICMLA'03 - The 2003 International Conference on Machine Learning and Applications, Los Angeles, USA, 2003.
- 118.AWIC'03 – Atlantic Conference on Web Intelligence (Steering Committee), Madrid, Spain, 2003.
- 119.HIS'03 – Hybrid Intelligent Systems' 2003, Melbourne, Australia, 2003 (Advisory Board).
- 120.ISCIS XVIII – 18<sup>th</sup> International Symposium on Computer and Information Sciences, Antalya, Turkey, 2003.
- 121.WI'03 - The 2003 IEEE/WIC/ACM International Conference on Web Intelligence, Beijing, China, 2003.
- 122.TAINN' 2003 Conference, Çanakkale, Turkey, 2003.
- 123.7<sup>th</sup> International Conference on Fuzzy Sets Theory and Applications, Liptovsky Mikulas, Slovakia, 2004.
- 124.ICCC 2003 – International Conference on Computational Cybernetics, Siofok, Hungary, 2003.
- 125.ICSCCW-2003 – Second International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, decision and Control, Antalya, Turkey, 2003.
- 126.FQAS'2004 – 6<sup>th</sup> International Conference on Flexible Query Answering Systems, Lyon, France, 2004.
- 127.CA 2004 - 6th IASTED International Conference on Control and Applications, Marina Del Rey, California, USA, 2004.
- 128.SMPS'2004 – Second International Conference on Soft Methods in Probability and Statistics, Oviedo, Spain, 2004.
129. KES'2004 – Eighth International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Wellington, New Zealand, 2004.
- 130.AWIC'04 – Atlantic Web Intelligence Conference, Cancun, Mexico, 2004.
- 131.IS'2004 – IEEE International Conference on Intelligent Systems, Varna, Bulgaria, 2004.
- 132.ISDA 2004 - Fourth International Conference on Intelligent Systems Design and Applications (Steering Committee), Budapest, Hungary, 2004.
- 133.ICAIET'2004 – Second International Conference on Artificial Intelligence in Engineering and Technology, Kota Kinabalu, Malaysia, 2004.
- 134.XV International Conference on Systems Science, Wrocław, Poland, 2004.
- 135.ICMLA'04 – The 2004 International Conference on Machine Learning and Applications, Louisville, KY, USA, 2004.
- 136.RSCTS'2004 – Fourth International Conference on Rough Sets and Currect Trends in Computing, Uppsala, Sweden, 2004.

- 137.KES'2004 – 8<sup>th</sup> International Conference on Knowledge-based Intelligent Information and Engineering Systems, Wellington, New Zealand, 2004.
- 138.DEXA'2004 Workshop on Supporting Imprecision and Uncertainty in Flexible Data Bases, Zaragoza, Spain, 2004.
- 139.AFSS 2004 – International Conference on Fuzzy Systems, Hanoi, Vietnam, 2004.
- 140.IIS 2004 – Intelligent Information Systems 2004: New Trends in Intelligent Information Processing and Web Mining, Zakopane, Poland, 2004.
- 141.IPMU 2004 -10th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Perugia, Italy, 2004.
- 142.FSSCEF 2004 - International Conference on Fuzzy Sets and Soft Computing in Economics and Finance, St. Petersburg, Russia, 2004.
- 143.MMAR'2004 – 10th IEEE International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Poland, 2004.
- 144.WI'04 - The 2004 IEEE/WIC/ACM International Conference on Web Intelligence, Beijing, China, 2004.
- 145.ICIFS'2004 – Eighth International Conference on Intuitionistic Fuzzy Sets, Varna, Bulgaria, 2004 (Program Co-chair).
- 146.MDAI'2004 – Modeling Decisions for Artificial Intelligence, Barcelona, Spain, 2004.
- 147.8<sup>th</sup> Fuzzy Days, Dortmund, Germany, 2004 (Honorary Co-chair).
- 148.FLINS 2004 – 6<sup>th</sup> International FLINS Conference on Applied Computational Intelligence, Blankenberge, Belgium, 2004.
- 149.AI-METH'04, Gliwice, Poland, 2004.
- 150.HIS 2004 – Hybrid Intelligent Systems, Kitakyushu, Japan (International Steering Committee), 2004.
- 151.GHG Uncert 2004 – International Workshop on Uncertainty in Greenhouse Gas Inventories: verification, Compliance and Trading, Warsaw, 2004.
- 152.EUROFUSE 2004 – Workshop on Data and Knowledge Engineering, Warsaw, Poland, 2004 – Co-chair.
- 153.LFA'2004 -2004 Rencontres Francophones sur la Logique Floue et ses Applications, Nantes, France, 2004.
- 154.FTT 2005 10th International Conference on Fuzzy Theory and Technology in conjunction with 8th Joint Conference on Information Sciences (JCIS 2005) July 21 - 26, 2005, Salt Lake City, Utah
- 155.WI'05 – 2005 IEEE/WIC/ACM International Conference on Web Intelligence, September 19-22, 2005, Compiegne, France.
- 156.HIS'05 - Fifth International Conference on Hybrid Intelligent Systems, Rio de Janeiro, Brazil, November 06-09, 2005.
- 157.NCA 2005 Natural Computing and Applications Workshop, in conjunction with., SYNASC-2005 - 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timisoara, Romania, September 25 - 29, 2005.
- 158.EUSFLAT-LFA 2005 – Joint 4th EUSFLAT (European Society for Fuzzy Logic and Technology) and 13th LFA 2005 Conference Rencontres Francophone sur la Logique Floue et ses Applications), 7-9 September, 2005, Barcelona, Spain
- 159.ICMLA'2005 -The 2005 International Conference on Machine Learning and Applications, Los Angeles, California, USA, 15-17 December 2005 .
- 160.ICSSPA-2005 - International Conference on Signal & Speech
- 161.Processing and Applications (ICSSPA-2005), December 23-
- 162.25 2005, Istanbul, Turkey.
- 163.BISCSE'05 - FORGING NEW FRONTIERS, 40th of Fuzzy Pioneers (1965-2005), Dedicated to: Prof. Lotfi A. Zadeh, November 2-5 2005, Berkeley, California, USA.
- 164.CA 2006 – IASTED International Conference on Control and Applications, Montreal, Canada, May 24-26, 2006.
- 165.ICEIS'2006 – IEEE International Conference on Engineering of Intelligent Systems, Islamabad, Pakistan, 14-15 Jan 2006.
- 166.RSKT 2006 – The First International Conference on Rough Sets and Knowledge Technology, August 2006, P.R. China.
- 167.Modeling Decisions for Artificial Intelligence, Tarragona, Catalonia, Spain, April 3-5, 2006.
- 168.IEEE GrC – 2006 - 2006 IEEE International Conference on Granular Computing Atlanta, USA, May 10-12, 2006.
- 169.The First International Workshop on Intelligent Application in Product Lifecycle Management (IAPLM'06), October 16-18, 2006, Jinan, Shandong, P. R. CHINA
- 170.ISMIS'06 - 16th International Symposium on Methodologies for Intelligent Systems, September 27-29, 2006 in Bari, Italy.

- 171.EFS'06 - Second International Symposium on Evolutionary Fuzzy Systems, 9-10 September, Ambleside, Lake District, UK.
- 172.RSCTC 2006 - Fifth International Conference on Rough Sets and Current Trends in Computing (RSCTC 2006), Kobe, Japan, November 6-8, 2006.
- 173.IIS-2006 - Intelligent Information Systems 2006 New Trends in Intelligent Information Processing and Web Mining, Ustroń, Poland, June 19-22, 2006.
- 174.KES'2006 - 10th International Conference on Knowledge-Based & Intelligent Information & Engineering Systems, Bournemouth, England, 9 - 11 October 2006
- 175.LFA'2006 - Rencontres Francophones sur la Logique Floue et ses Applications, 19-20 October 2006, Toulouse, France.
- 176.IEEE IS'06 - 3rd IEEE Conference On Intelligent Systems, Septemger, 2006, Westminster, U.K., General Co-Chair
- 177.ICANN'2006 -International Conference on Artificial Neural Networks, 10-14 September 2006, Holiday Inn, Athens, Greece
- 178.IAPLM'06 - The First International Workshop on Intelligent Application in Product Lifecycle Management, October 16-18, 2006, Jinan, Shandong, P. R. CHINA
- 179.MMAR 2006 – 12th IEEE International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Poland, August 28 - August 31, 2006.
- 180.ATC-06 - The 3rd International Conference on Autonomic and Trusted Computing, Wuhan and Three Gorges, China, September 3-6, 2006
- 181.FTT 2006 - 11th International Conference on Fuzzy Theory and Technology in conjunction with 9th Joint Conference on Information Sciences (JCIS 2006) October 8 - 11, 2006, Kaohsiung, Taiwan, ROC.
- 182.IEEE/WIC/ACM International Conference on Web Intelligence (WI'06), December 18 – 22, 2006, Hong Kong, China.
183. AAIA'06 – Symposium on Advances in Artificial Intelligence and Applications (dedicated to the memory of Professor Zdzisław Pawlak), Wisła, Poland, November 6-10, 2006.
184. MCDM'07 - 2007 IEEE Symposium on Multi-Criterion Decision Making, Honolulu, Hawaii, USA, April 1-5, 2007.
- 185.CA 2007 – 9th IASTED International Conference on Control and Applications, Montreal, Canada, May 30 - June 1, 2007.
186. ISCIA 2007 -International Conference on Innovative Soft Computing and Its Applications, 20-22 August 2007, Malaysia.
- 187.ATC-07 – The 4th International Conference on Autonomic and Trusted Computing (ATC-07): Bring Safe, Self-x and Organic Computing Systems into Reality, Hong Kong, China, July 11-13, 2007.
188. FTT'2007 – 12th International Conference on Fuzzy Theory and Technology at JCIS'2007 – 10th Joint Conference on Information Sciences, Salt Lake City, UT, USA, July 15-22, 2007.
189. JRS 07 – Joint Rough Sets Symposium, Toronto, Canada, May 14-16, 2007.
- 190.IDC'2007 – First International Symposium on Intelligent and Distributed Computing, 18-20 Oct 2007, Craiova, Romania – member of Steering Committee.
- 191.GrC-2007 – The 2007 IEEE International Conference on Granular Computing, Silicon Valley, USA, November 2 – 4, 2007 – member of Advisory Board.

#### **I. Member of Internationa Advisory Boards of Journals:**

1. Fuzzy Sets and Systems (Elsevier),
2. International Journal of Intelligent Systems (Wiley, New York, USA).
3. Archives of Control Sciences (PWN, Warsaw) - deputy editor-in-chief.
4. Control and Cybernetics (SRI PAS, Warsaw).
5. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems (World Scietific, Singapore).

6. Mathware & Soft Computing (Spain)
7. BUSEFAL - Bulletin pour les Sousensembles Flous et leur Applications (Universite Paul Sabatier, Toulouse, France).
8. Notes on IFS (Intuitionistic Fuzzy Sets) (Prof. Marin Drinov Academic Publishing, Sofia, Bulgaria).
9. Journal of Fuzzy Logic and Intelligent Systems (Korea Fuzzy Logic and Intelligent Systems Society).
10. International Journal of Knowledge-Based Intelligent Engineering Systems (Electronic Association of Australia) - coeditor-in-chief
11. Evolutionary Optimization (Internet).
12. Soft Computing (Springer-Verlag, Berlin).
13. Fuzzy Optimization and Decision Making (Kluwer, Boston).
14. Journal of Multiple-Valued Logic and Soft Computing (OCP Science, Philadelphia).
15. International Journal of Intelligent Systems and Information Processing (IJISIP) (IKS – International Intelligent Knowledge Systems Society).
16. Information Sciences (Elsevier, USA).
17. NIP – LR, Neural Information Processing – Letters and Reviews (ISBN 89-89453-04-6).
18. International Journal of Performability Engineering (RAMS Consultants).
19. IEEE Transactions on Fuzzy Systems – Associate Editor
20. International Journal of Computational Intelligence Research (Research India Publications), ISSN 0973-1873.
21. IRECOS – International Review on Computers and Software.
22. IC-MED – International Journal of Intelligent Computing in Medical Sciences and Image Processing – member of Advisory Board.
23. International Journal of Innovative Computing and Applications.
24. International Journal of Computational Science (IJCS), The Global Information Publisher.
25. Journal of Automation, Mobile Robotics and Intelligent Systems, PIAP, Editor in chief.

## **II. Editor in chief of book series:**

1. Studies in Fuzziness and Soft Computing, Springer, Heidelberg and New York.
2. Advances in Soft Computing, Springer, Heidelberg and New York.
3. Studies in Computational Intelligence, Springer, Heidelberg and New York.
4. Springer Series on Synergetics, Springer, Heidelberg and New York, Editor

## **Honors and Awards:**

1. Group Award of Scientific Secretary of the Polish Academy of Sciences, for computational algorithms for nonlinear programming, 1972.
2. Distinction for the Ph. D. dissertation from the Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland, 1977.
3. Medal from the University of Liege, Belgium, 1981.
4. Award of Department IV (Technical Sciences) of the Polish Academy of Sciences for the book Multistage Decision Making under Fuzziness, Verlag TÜV Rheinland, Cologne, 1984.
5. Award of Scientific Secretary of the Polish Academy of Sciences for the book Fuzzy Sets in Systems Analysis (in Polish) (PWN, Warsaw, 1986), 1987.
6. Fellow of IFSA (International Fuzzy System Association), 1997.
7. Member, Research Board of Advisors, The American Biographical Institute, 1999.
8. AutoSoft Lifetime Achievement Award in recognition of pioneering and outstanding contributions to the field of soft computing, 2000.
9. Fellow, North American Academy of Arts and Sciences.
10. Member, External Advisory Board, Centre of Excellence in Computational Intelligence, Wellington Institute of Technology, Wellington, Nowa Zelandia
11. Member, International Advisory Board, KEDRI - Knowledge Engineering and Discovery Research Institute, Auckland University of Technology (AUT), Auckland, Nowa Zelandia
12. Member, IASTED Technical Committee on Control, 2003-2006.
13. Member, IASTED Technical Committee on Artificial Intelligence and Expert Systems, 2003-2006.
14. Pioneer Award, IEEE CIS (Institute of Electrical and Electronics Engineers, Computational Intelligence Society). 2005.
15. Fellow of IEEE (Institute of Electrical and Electronics Engineers), 2005.




16. 6-th Kaufmann Award and Gold Medal of FEGI and SIGEF for pioneering works on the use of fuzzy logic in economics and management.

**Membership and Functions in Professional and Scientific Organizations:**

1985 to present - member of the Polish Association of Operations and Systems Research.  
1985 - 1994 - Vice-chairman of Scrutiny Commission, Polish Association of Operations and Systems Research  
1991 to present - member of IFSA (International Fuzzy Systems Association)  
1991 -1995 - Vice-president of IFSA (International Fuzzy Systems Association)  
1995 to present -elected member of The New York Academy of Sciences  
1996 to present - member of the Institute of Electronics and Electrical Engineers (IEEE)  
1996 to present - member of the Computer Society of IEEE  
2001 to present - member of the Neural Network Society of IEEE  
1995 to present - member of IFSA (International Fuzzy Systems Association) Council, representative of the European Chapter,  
2001 to present – Treasurer of IFSA.  
2003 to present - IKS Society: The International Intelligent Knowledge Systems Society.  
2005 – 2007 – President – Elect, International Fuzzy Systems Association)  
2007 to present, President, International Fuzzy Systems Association (IFSA)

**Listed in International Biographical Notes:**

1. The American Biographical Institute, Most Admired Men and Women of the Year, 1994 - to present.
2. Marquis (USA), 1983 - to present.
3. International Biographical Centre, Men of Achievement, Cambridge, UK, - 1994 - to present.
4. The American Biographical Institute, Five Hundred Leaders of Influence, 1998 - to present.
5. International Directory of Distinguished Leadership, The American Biographical Institute, 2000 (in press).
6. Contemporary Who is Who, The American Biographical Institute, 2000 (in press).
3. Golden Book of Polish Science since 2000, Polish Biographical Institute, Helion Gliwice, 2000.
4. Golden Book of Technological Sciences since 2003, Polish Biographical Institute, Helion Gliwice, 2003.
5. Who is Who w Polsce, Who is Who Verlag fuer Personnenzyklopaedien AG, CH-6304 Zug, Switzerland, 2003.



Warsaw, February 9, 2008

Janusz Kacprzyk