

ICANN 2005

International Conference on Artificial Neural Networks
September 11-15, 2005

<http://www.ibspan.waw.pl/ICANN-2005>

Warsaw, Poland

CALL FOR PAPERS - SPECIAL SESSION

"KNOWLEDGE EXTRACTION FROM NEURAL NETWORKS"

organized by

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Purpose of the session

This special session concerns the extraction of the knowledge embedded in artificial neural networks. Artificial neural networks are very good at solving problems involving classification and function approximation. However, they are not able to explain their decision and their internal knowledge often cannot be easily extracted. As well as being able to solve problems, neural networks should also be able to explain how the model arrived to a response or conclusion. A growing amount of current research in neural networks is oriented towards this important topic. Providing an explanation to a response can help discover salient features in the input data and can make neural networks more widely accepted.

The purpose of this session is to gather together some of the leading investigators and research groups in this growing area, and to provide an overview of the most recent advances on the techniques being developed for extracting knowledge from neural networks.

Submission guidelines:

The Proceedings of ICANN will be published in Springer "Lecture Notes in Computer Science. Authors are invited to submit their papers for the Special Session on "Knowledge Extraction From Neural Networks" following the author guidelines available at: <http://www.ibspan.waw.pl/ICANN-2005>.

IMPORTANT DATES

March 30, 2005 Deadline for paper submission
April 30, 2005 Acceptance / rejection notification
June 25, 2005 Deadline for camera ready submission