Call for Papers: **ICANN 2014**

15-19 September 2014 – Hamburg, Germany

The International Conference on Artificial Neural Networks (ICANN) is the annual flagship conference of the European Neural Network Society (ENNS). In 2014 the University of Hamburg will organize the 24th ICANN Conference from 15th to 19th September 2014 in Hamburg, Germany.

Scope and Topics

ICANN 2014 will feature main tracks on Brain-Inspired Computing and Machine Learning research with strong cross-disciplinary interactions and applications. All research fields dealing with Neural Networks will be present at the conference. A non-exhaustive list of topics includes:

Brain-Inspired Computing:
Cognitive Models, Computational Neuroscience, Self-Organization, Reinforcement Learning, Neural Control and Planning, Hybrid Neural Symbolic Architectures, Neural Dynamics, Recurrent Networks, Deep Learning Networks.

Machine Learning:
Neural Network Theory, Neural Network Models, Graphical Models, Bayesian Networks, Kernel Methods, Generative Models, Information Theoretic learning, Reinforcement Learning, Relational Learning, Dynamical Models.

Neural Applications for:
Intelligent Robotics, Neurorobotics, Language Processing, Image Processing, Sensor Fusion, Pattern Recognition, Data Mining, Neural Agents, Brain-Computer Interaction, Neural Hardware, Evolutionary Neural Networks.

Location

Hamburg is the second largest city in Germany, home to about 1.8 million people. Situated on the river Elbe, the port of Hamburg is the second largest port in Europe and often considered the gate to the world. The University of Hamburg is the largest institution for research and education in the north of Germany. We invite all neural network researchers worldwide to join us on September 15–19, 2014. The venue of the conference is the ESA building of the University of Hamburg.

Please check the website of the conference for updates and details: ***www.icann2014.org***

Organisation

General Chair:
Stefan Wermter (Hamburg, Germany)
Program Co-Chairs:
Wlodzislaw Duch (Torun, Poland & Singapore)
Timo Honkela (Helsinki, Finland)
Petia Koprinkova-Hristova (Sofia, Bulgaria)
Günther Palm (Ulm, Germany)
Alessandro E.P. Villa (Lausanne, Switzerland)
Cornelius Weber (Hamburg, Germany)
Local Organising Committee:
ICANN2014@informatik.uni-hamburg.de

Proceedings and Publications

Papers (max. 8 pages) will be refereed to international standards by at least three referees. Accepted papers of contributing authors will be published in Springer-Verlag Lecture Notes in Computer Science (LNCS) series. More details are available on the conference web site.

Important Dates

Special session proposals**:**
Jan 15, 2014

Workshop proposals:
Jan 15, 2014

<u>Full paper submissions:</u>
<u>Feb 27, 2014</u>

Demonstration proposals:
Apr 21, 2014