EANN 2014

15th Engineering Applications of Neural Networks

5th September 2014 – 7th September 2014, Sofia, Bulgaria

www.eann2014.org

Call for papers, workshops and tutorials

The EANN conference promotes neural networks and associated techniques and the significant benefits that can be derived from their use. The conference is not only for reporting advances, but also for showing how neural networks provide practical solutions in a wide range of applications.

The International Neural Network Society (INNS) is the primary sponsor of the EANN conference.

Authors are invited to submit electronically original, English-language research contributions or experience reports not concurrently submitted elsewhere. The proceedings of the conference will be published in **Springer CCIS Series**. Papers should be no longer than 10 pages formatted according to the well known LNCS Springer style. In the spirit of the previous EANN conferences, the paper should concentrate on the application rather than just the algorithm or the theory.

Submitted papers will be refereed by at least three reviewers for quality, correctness, originality, and relevance. Notification and reviews will be communicated via email. Accepted papers will be presented at the conference and included in the proceedings. Extended contributions will also be considered for publication in a **Special Issue of Neural Computing and Applications (Springer)**.

Proposals for Workshops that examine emerging, innovative, or otherwise provocative issues within the conference area are encouraged as well. Workshop proposals should include a 1-2 page summary of the topic and the names and affiliations of 3-4 panellists who have made a commitment to participate. A mix of industry and academic panel members is recommended.

Proposals for 90-minute tutorials are also invited on topics within the conference area. Tutorial proposals must be at most 5 pages, they must identify the intended audience, and they must give enough material to provide a sense of what will be covered.

Topics include, but are not limited to, the following:

Neural networks techniques:	**Research areas:**	**Engineering Applications:**
Learning theory Evolutionary architectures Support vectors machines Unsupervised Learning Reinforcement Learning Adaptive architecture Fuzzy logic and systems Hybrid system Hardware development Low cost architectures	Computer vision Pattern Recognition Colour, Motion analysis Signal Processing Fusion Telecommunications Robotics Intelligent Transportation Systems Financial Forecasting Time Series Analysis Data mining Adaptive Control Modelling and identification Prediction Process Monitoring and Diagnosis	Electrical Engineering Image Processing Signal Processing Civil Engineering Applications Fuzzy Systems Biomedical Engineering Applications Decision Making Applications Manufacturing Engineering Applications Computer science Thermal Engineering Financial Engineering General Engineering Applications Environmental Engineering Risk Modelling

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