IEEE Computational Intelligence Society

HERIOT WATT UNIVERSITY

The 12th Annual Workshop on Computational Intelligence is the premier UK and Ireland event for presenting leading research on all aspects of computational intelligence. The workshop provides a stimulating forum for the academic community to share ideas concerning theoretical and practical aspects of computational intelligence techniques and is designed to encourage a lively atmosphere for discussing the research findings and future problems, making new contacts and forging collaborations. The workshop will include presentations of submitted papers and keynote talks from eminent researchers in the field of computational intelligence.

The workshop will have two strands: full papers, for high-quality definitive results, and rapid communications, for work-in-progress. All contributions will be peer-reviewed, but only the full papers will be published on IEEExplore. Rapid communications will be refereed in the spirit of PLoS One, where they are checked for technical soundness but are not excluded on the basis of lack of perceived importance. We intend to bundle these rapid communications in a booklet with an ISBN except for the case when authors object.

The authors are invited to submit their original and unpublished work in areas including, but not limited to the following:

computational intelligence, neural networks, learning, fuzzy logic, fuzzy systems, machine learning, biologically-inspired computing, evolutionary computing, evolutionary algorithms, genetic programming, differential evolution, memetic algorithms, swarm intelligence, ant colony optimisation, artificial immune systems, multi-agent systems, games, data mining, web intelligence, computational intelligence and self-awareness, computational intelligence in bioinformatics, computational intelligence in digital economy, computational intelligence in healthcare, computational intelligence for security, computational intelligence in finance, computational intelligence in robotics, computational intelligence in manufacturing, computational intelligence in energy.

Deadlines:
Full-paper submission deadline – **May, 1 2012**
Notification of acceptance – July, 1 2012
Camera-ready submission – August,1 2012
Rapid communications – August, 15 2012
Workshop – **September, 5-7 2012**

Chairs:
General Chair – Prof Philippe De Wilde
Program Chair – Dr George Coghill
Publication Chair – Dr Anna Kononova
Local Chair – Dr Patricia Vargas

This event is technically co-sponsored by the IEEE Computational Intelligence Society and supported by the IEEE CIS UKRI chapter and several companies. AWARE project is offering an award to the best paper submitted to UKCI 2012 that deals with the topic of self-awareness in autonomic systems. Moreover, BT Research is now offering participants of UKCI 2012 an opportunity to win access to its R&D labs in the competition on modelling and prediction of cyber attacks based on recent high profile cases.

awareness SELF-AWARENESS IN AUTONOMIC SYSTEMS

BT

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*: has been/currently is serving as Associate Editor of IEEE Transactions on Neural Networks/ Fuzzy Systems/ Evolutionary Computation/ System, Man and Cybernetics

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