UKCI2018 Call for Papers

The 18th Annual UK Workshop on Computational Intelligence
5-7 September 2018, Nottingham, United Kingdom

The 18th Annual UK Workshop on Computational Intelligence, UKCI2018 this year is being hosted by Nottingham Trent University. UKCI is the premier UK event for presenting leading research on all aspects of Computational Intelligence. The aim of this Workshop is to provide a forum for the academic community and industry to share ideas about developing and using Computational Intelligence (CI) techniques, the new trends and to exchange views and ideas. CI is a rapidly expanding research field, attracting a large number of scientists, engineers and practitioners working in areas such as fuzzy systems, neural networks, evolutionary computation, evolving systems and machine learning. A growing number of companies are employing CI techniques to improve previous solutions and to deal with new problems. These include evolving systems that allow high performance in spite of changes which are either external or internal to the system, thereby increasing the re-usability of developed systems. This also include smart, intelligent and autonomous systems, self-learning, self-adapting, self-calibrating and self-tuning. UKCI-2018 will take place in Nottingham Trent University, located conveniently within the City Campus of the University, a few minutes walk from the city centre and all tourist attractions. The city offers excellent transport links, with easy access to the M1, railway station and airport links.

Call for Papers

Papers for UKCI 2018 must be submitted electronically through the Conference website at **http://ukci2018.uk/**, and will be refereed by experts in the fields and ranked based on the criteria of originality, significance, quality and clarity. Topics of interest include (but are not limited to)

- Computational intelligence methodology
- Computational intelligence for big data
- Fuzzy logic, fuzzy systems, approximate reasoning
- Knowledge representation
- New Machine Learning Methodologies
- Artificial Neural Networks
- Evolutionary computation, swarm intelligence, artificial immune systems, memetic computing, Nature-inspired computing
- New and emerging computational intelligence approaches from hybrid learning and systems, molecular and quantum computing
- Software agents and multi-agent systems, intelligent control
- Intelligent Video Analytics
- Applications of computational intelligence techniques in engineering, healthcare, finances, (cyber)security, signal, image and video processing

Call for Special Session Proposals

UKCI-2018 will retain its traditional format of a single track with special sessions on selected topics. Please email proposals for special sessions to mail@ukci2018.uk by the specified deadline.

Hosted/Sponsored By

Important Dates

Special session proposals:
24 February 2018

Paper Submission:
30 March 2018

Acceptance notification:
25 May 2018

Camera Ready Papers:
15 June 2018

Conference:
5-7 September 2018

Committee

General Chair
Prof. Ahmad Lotfi
Nottingham Trent University

General Co-Chair
Prof. Martin McGinnity
Nottingham Trent University

Programme Chairs
Prof. Hamid Bouchachia
Bournemouth University
Dr. Alexander Gegov
Portsmouth University

Publication Chair
Dr. Caroline Langensiepen

Local Organisation Chairs
Dr. Amir Pourabdollah
Dr. Michalis Mavrovouniotis

Web Chair
Pedro Trindade
Nottingham Trent University

http://www.ukci2018.uk