

# CALL FOR PAPERS

International Workshop on Soft Computing and Applications

(IWSCA 2015)

In Conjunction with the 14th IEEE International Conference on  
Ubiquitous Computing and Communications (IUCC 2015)

26-28 Oct. 2015, Liverpool, UK

<http://iwsca2015.weebly.com>

Submission Deadline: **June 15, 2015**

Author Notification: August 15, 2015

Final Manuscript Due: September 15, 2015

Registration Due: September 15 2015

## **Introduction:**

Soft Computing, rather than routine “hard” computing, is a procedure that exploits the tolerance for imprecision, uncertainty, and partial truth in order to achieve tractability, robustness, low cost solutions, and close to human mind. The soft computing technologies like fuzzy logic, rough sets, soft sets, artificial neural networks and evolutionary algorithms have been applied successfully to data mining, natural language processing, bio-informatics, medical and u-health, social sciences, manufacturing, economics, and business.

Recently, due to the advent of ubiquitous technologies and the urgent need for ubiquitous intelligence, the research on soft computing intelligence has attracted immediate attention of researchers. Besides these, domains like smart factory, smart medic, and engineering applications may also be considered as prospective candidates for soft computing applications. IWSCA-2015 aims to attract researchers and practitioners from communities of soft computing, computational intelligence, to share their ideas, innovations, research achievements and recent research issues of soft computing. We solicit original, unpublished, and innovative research work on applying any intelligent technologies and methods to all aspects around the theme of this workshop. All accepted conference papers will be included into the IEEE conference proceedings published by IEEE Computer Society Press (indexed by EI). At least one of the authors of any accepted paper is requested to register the paper at the conference.

## **Scope and Topics:**

Fundamentals of soft computing

Human-like hybrid information processing

Modeling data based on soft computing

Fuzz computing

Formal concept analysis methodology in data science and engineering

Rough set methodology in data science and engineering

Deep structural learning

Neuro computing  
Soft computing modeling for perception and spiritual intelligence  
Soft set methodology in data science and engineering  
Data mining for social network data  
Uncertain information processing  
Web intelligence, information aggregation and fusion  
Expert Systems  
Soft computing in industry applications  
Other issues related to the advances of soft computing in various application

**General Co-Chairs:**

Keyun Qin, Southwest Jiaotong University, China  
Fei Hao, Shanxi Agricultural University, China

**Program Co-chairs:**

Hee-Cheol Kim, Inje University, Korea  
Zheng Pei, Xihua University, China

**Program Committee Members:**

Larurence T. Yang, St. Francis Xavier University  
Geyong Min, University of Exeter, UK  
Jinjun Chen, University of Technology, Sydney  
Qingcheng Zhang, Dalian University of Technology, China  
Jaimie Park, Korea Advanced Institute of Science and Technology, Korea  
Safee Ullah Chaudhary, Lahore University of Management Sciences, Pakistan  
Lateef Yussif, Universiti Teknologi PETRONAS, Malaysian  
Fanman Meng, University of Electronic Science and Technology, China  
Muhammad Atif Qureshi, National University of Ireland Galway, Ireland  
Liwei Kuang, Huazhong University of Science and Technology, China  
Mingjie Jiao, Baidu Inc. China,  
Muhammad Salman Khan, COMSATS Institute of Information Technology, Pakistan  
Shengtong Zhong, Norwegian University of Science and Technology, Norway

All papers need to be submitted electronically through email: [iwsca2015@outlook.com](mailto:iwsca2015@outlook.com) with PDF format. The materials presented in the papers should not be published or under submission elsewhere. Each paper is limited to 6 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single-spaced, 10 fonts). You can confirm the IEEE Computer Society Proceedings Author Guidelines at the following web page: <http://www.computer.org/web/cs-cps/>

Once accepted, the paper will be included into the IEEE conference proceedings published by IEEE Computer Society Press (indexed by EI). At least one of the authors of any accepted paper is requested to register the paper at the conference.