

10th International Conference on Advanced Computational Intelligence

March 29-31, 2018 Xiamen, China

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Call for Papers

The Tenth International Conference on Advanced Computational Intelligence (ICACI 2018) will be held in Xiamen, China during March 29-31, 2018, as a sequence to IWACI 2008 (Macao), IWACI 2009 (Mexico City), IWACI 2010 (Suzhou), IWACI 2011 (Wuhan), ICACI 2012 (Nanjing), ICACI 2013 (Hangzhou), ICACI 2015 (Mount Wuyi), ICACI 2016 (Chiang Mai, Thailand) and ICACI 2017 (Doha, Qatar).

ICACI 2018 aims to provide a high-level international forum for scientists, engineers, and educators to present the state-of-the-art research and applications in computational intelligence. The conference will feature plenary speeches given by world renowned scholars, regular sessions with broad coverage, and special sessions focusing on popular topics. In addition, best paper awards will be given during the conference. The proceedings of ICACI 2018 will be submitted to the IEEE Xplore and EI Compendex. Moreover, selected papers will be published in special issues of related journals. The conference will favor papers representing advanced theories and innovative applications in computational intelligence.

Call for Papers and Special Sessions

Prospective authors are invited to contribute high-quality papers to ICACI 2018. In addition, proposals for special sessions within the technical scopes of the conference are solicited. Special sessions, to be organized by internationally recognized experts, aim to bring together researchers in special focused topics. A special session proposal should include the session title, a brief description of the scope and motivation, names, contact information and brief biographical information on the organizers. Researchers interested in organizing special sessions are invited to submit formal proposals to the special sessions chairs (auvqli@scut.edu.cn, qqs@aber.ac.uk or shiyh@sustc.edu.cn).

Topic Areas

Topics areas include, but not limited to, computational neuroscience, connectionist theory and cognitive science, mathematical modeling of neural systems, neurodynamic analysis, neurodynamic optimization and adaptive dynamic programming, embedded neural systems, probabilistic and information-theoretic methods, principal and independent component analysis, hybrid intelligent systems, supervised, unsupervised and reinforcement learning, deep learning, brain imaging and neural information processing, neuroinformatics and bioinformatics, support vector machines and kernel methods, autonomous mental development, data mining, pattern recognition, time series analysis, image and signal processing, robotic and control applications, telecommunications, transportation systems, intrusion detection and fault diagnosis, hardware implementation, real-world applications, big data processing, fuzzy systems, fuzzy logic, fuzzy set theory, fuzzy decision making, fuzzy information processing, fuzzy logic control, evolutionary computation, ant colony optimization, genetic algorithms, parallel and distributed algorithms, particle swarm optimization, evolving neural networks, evolutionary fuzzy systems, evolving neuro-fuzzy systems, evolutionary games and multi-agent systems, intelligent systems applications.

Important Dates

Special session proposals deadline.....Sep. 15, 2017

Paper submission deadline.....Dec. 1, 2017

Notification of acceptance.....Dec. 30, 2017

Camera-ready copy and author registration.....Jan. 15, 2018

Conference Website

For latest and additional information, please visit www.icaci2018.org

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