

Proposal for IJCIS Special Issue on “Interdisciplinary Research of Network Science and Computational Intelligence”

Call for Papers

This special issue of the **International Journal of Computational Intelligence Systems (IJCIS)** aims to explore the growing intersection between **network science and computational intelligence (NSCI)**, which has triggered a series of new ideas and methods and has drawn special attention from diverse communities. We are soliciting papers that present the latest advances in this interdisciplinary field from two aspects: (1) using network science to analyze and improve the performance of computational intelligence algorithms; (2) using computational intelligence to solve real-world problems of network systems. Researchers with different backgrounds are invited to report their most recent progresses, and papers for this Special Issue must make significant new contributions to the existing literature. Potential topics include, but are not limited to:

- Evolutionary dynamics on complex networks
- Network science and problem difficulty prediction
- Complex networks and fitness landscape analysis
- Evolutionary algorithms with networked populations
- Community detection using computational intelligence
- Neural network and learning systems
- Optimal design of critical infrastructure networks
- Computational intelligence for transportation/ communication/ logistics/ manufacturing networks
- Computational intelligence for power grid networks
- Network design using computational intelligence
- Network robustness using computational intelligence

Submission Guidelines

Papers should be submitted via E-mail: wenbodu@buaa.edu.cn. They should be accompanied by a cover letter that clearly states that the submission is for the Special Issue on “**Network science and Computational Intelligence (NSCI)**”.

Submitted papers should be in the English and not be longer than 8 pages. The submitted papers should be formatted according to the IJCIS journal style. For more detailed information concerning the requirements for submission, please refer to the journal homepage at: <http://www.atlantis-press.com/publications/ijcis/>.

Publishing and Fee

The accepted papers will be published in the **IJCIS Journal** as a Special Issue, to be published in volume 10 of IJCIS (2017). The final and accepted papers should be with the Publisher by the 3d quarter of 2017. Papers will be published as Open Access articles so that they are immediately available for free for any interested reader. For having an article published as an Open Access article, a processing fee of 350 euro is requested. A number of papers that are highly recommended by the guest editors will entitle the authors to a discount.

Important Dates

- Paper submission due date: Apr. 01, 2017
- 1st round review notification: Jun. 01, 2017
- 1st revision due: Jun. 30, 2017
- 2nd round review notification: Jul. 01, 2017
- 2nd revision due: Jul. 15, 2017
- Final acceptance: Jul. 31, 2017
- Publication (tentative): 3d quarter, 2017

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