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SMC2015 Special Session on Granular Computing

Special Session organizers

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Introduction/Call for Papers

Granular Computing (GrC) is a general computation theory for effectively using granules such as classes, clusters, subsets, groups and intervals to build an efficient computational model for complex applications with huge amounts of data, information and knowledge. It demonstrates different levels of abstraction in getting a trade-off between complexity and accuracy. The granulation levels may include value, variable, component, system, concept, or class granulation. The basic notions and principles of granular computing have appeared in many related fields, such as information hiding in programming, granularity in artificial intelligence, divide and conquer in theoretical computer science, interval computing, cluster analysis, fuzzy and rough set theories, neutrosophic computing, quotient space theory, belief functions, machine learning, databases, and many others. This special session provides a good opportunity for researchers on granular computing and other areas to exchange their ideas and develop the approaches of GrC.

Indicative Topics/Areas

Topics of interest include, but are not limited to:
- Theory and methodologies of granular computing: including rough sets, neural networks, fuzzy systems, and evolutionary computation, as a special form for granulation;
- Applications of granular computing: including bio-informatics, medical informatics, chemical informatics, e-intelligence, web intelligence, etc.
- Humans-Complex-Cyber systems, society and social networking as a granular form.

The special session is submitted to Section:[C]
A: Systems Science & Engineering
B: Human-Machine Systems
C: Cybernetics

Important Dates
April 15, 2016: Deadline for submission of full-length papers to special sessions.
May 25, 2016: Acceptance/Rejection Notification.
July 9, 2016: Final camera-ready papers due in electronic form.

Submission

Manuscripts for a Special Session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2016 main conference online submission system on SMC 2016 conference website.

All submitted papers of Special Sessions have to undergo the same review process. The technical reviewers for each Special Session paper will be members of the SMC 2016 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.