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Special Session Call for Papers

SMC2016 Special Session on **【Computational Awareness】**

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Introduction

Awareness is related to a system's ability to perceive, to feel, or to develop conscious experiences. For cybernetics the study of awareness is fundamental. Compared with other fields in the cybernetics community, computational awareness (CA) concentrates on approaches to gain understanding of awareness, and technologies to model, realize, and implement aware systems. The ultimate goal of CA research is to build systems that are aware, that are more autonomous and more human-like. This special session provides an opportunity for researchers from both academia and industry to present their latest work, discuss issues and share ideas with other researchers in the CA field. Topics of interest include, but are not limited to, the following:

Awareness theory:

- Awareness mechanism and modeling
- Awareness in machine learning algorithm
- Awareness in agent computing
- Awareness in ontology and semantics
- Intention/emotion awareness
- Behavior awareness

Awareness practice:

- Awareness in data mining and knowledge discovery
- Safety/security awareness
- Context/background awareness
- Awareness in medical application
- Power/energy awareness

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 policy:

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 (three completed reviews per paper). 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.