The IEEE first International Conference on Cognitive Systems and Information Processing (CSIP) will be held during October 28-30, 2012, in Beijing, China. This conference is sponsored by Tsinghua University, Chinese Academy of Sciences, and Science China Press, and technically sponsored by IEEE Computational Intelligence Society, Cognitive Systems and Information Processing Society of Chinese Association for Artificial Intelligence, Science China Information Sciences and the National Science Foundation Committee. The aim of this conference is to bring together experts from different expertise areas to discuss the state-of-the-art in artificial cognitive systems and advanced information processing, and to present new research results and perspectives on future development.

Call for Papers and Special Sessions

Original papers are invited from multidisciplinary perspectives on subject areas including, but not limited to, the following:

**Cognitive Systems**
- Cognitive sciences and technology
- Visual cognitive processing
- Auditory cognitive processing
- Innovative cognitive computing model
- Cognitive metrics
- Cognitive psychology
- Cognitive robotics
- Cognitive radio
- Cognitive radars

**Information Processing**
- Information fusion
- Multi-modal information interaction
- Image/Video understanding
- Neural computation
- Visual information processing
- Brain-computer interface
- Information theory
- Web-based information processing
- Bioinformatics

In addition, CSIP2012 Program Committees solicit proposals for special sessions within the technical scopes of the Conference. Special sessions, to be organized by internationally recognized experts, aim to bring together researchers in special focused topics. Papers submitted for special sessions are to be peer-reviewed with the same criteria used for the contributed papers. Researchers interested in organizing special sessions are invited to submit formal proposals to CSIP2012. 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.

**Paper Submission**

Authors are invited to submit full-length papers (6 pages normally and 10 pages maximum) by the submission deadline through the online submission system. Potential organizers are also invited to enlist five or more papers with cohesive topics to form special sessions. The submission of a paper implies that the paper is original and has not been submitted under review or is not copyright-protected elsewhere and will be presented by an author if accepted. All submitted papers will be refereed by experts in the field based on the criteria of originality, significance, quality, and clarity. The authors of accepted papers will have an opportunity to revise their papers and take consideration of the referees' comments and suggestions. Papers presented at CSIP 2012 will be published in the proceedings and some selected top papers will be included in special focus of SCIENCE CHINA Information Sciences.

**Important Dates**

- Special session proposals deadline: May 15, 2012
- Paper submission deadline: June 30, 2012
- Notification of acceptance: July 15, 2012
- Camera-ready copy and author registration: July 30, 2012
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