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2006 IEEE International Conference on System of Systems Engineering



Conference Theme: 4CI- Control, Command, Communication, Computing and Information
April 24-26, 2006, Los Angeles, CA, USA

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Conference Web Site:

<http://ieeesose2006.ece.unm.edu>

IEEE SMC Society is inaugurating the first International Conference on System of Systems Engineering (SoSE) with its vast ramifications in numerous engineering fields such as control, computing, communication, information technology and the applications to manufacturing, defense, national and homeland security, aerospace, aeronautics, energy, environment, etc. The first IEEE International Conference on System of Systems Engineering (SoSE 2006) will be held in Los Angeles, California from April 24 to April 26, 2006. The conference theme is "4CI- Control, Command, Communication, Computing and Information," reflecting the need of growing recognition that significant changes in large-scale systems integration. For general and technical program inquiries about the conference, please contact the conference General Chairs, Dr. Mo Jamshidi (moj@wacong.org) and the Program Co-Chairs, Dr. Philip Chen (Philip.Chen@utsa.edu) and Dr. Mark Johnson (Mark.A.Johnson@aerospace.org), respectively.

SoSE 2006 provides a world-class forum of all aspects of systems engineering, human-machine systems and emerging cybernetics. Papers related to this theme are especially solicited, including theories, methodologies, and applications of System of Systems in science, technology, industrial, education, and etcetera. Topics covering industrial issues/applications and academic research are encouraged, including, but not limited to:

Systems Modeling, Simulation & Control, Adaptive intelligent systems, Defense systems and Applications, Aeronautics guidance, Navigation, and Control, Integrated Systems Architecture, Intelligent Health Monitoring Systems, Moon and Mars missions, Space Rovers and Exploration, Biomedical and Bioinformatics, Emerging Technology, Internet and Cyberspace Security, Security Engineering and Technology, Safety Reliability & Quality Assurance, Systems Engineering Education, Technology Assessment, Internet/Electronic Commerce, Data Mining & Management, Intelligent Communications and Transportation, Manufacturing Systems, Large-Scale Systems, Bio-inspired systems and Robotic Systems, Image Processing/Pattern Recognition, Multiagent Systems & Distributed AI, Human/Machine Systems, Computation Intelligence Theory and Applications to SoS.

Contributed Papers:

The maximum number of pages is limited to **six**, including figures. A maximum of 2 additional pages will be permitted at an extra page charge of US\$200 per page. We will also accept three-page posters (in PDF format). Detailed instructions for paper/poster submission and format can be found on the conference web site (<http://ieeesose2006.ece.unm.edu>).

Invited Sessions: Invited sessions are to provide a forum for focused discussions on new topics, or innovative applications of established approaches. An invited session consists of four papers that must be electronically submitted for review using the same procedure for contributed papers. A proposal must include: (1) Title, (2) Organizers, (3) Brief Statement of Purpose for the session, and (4) A List of Authors and Paper Titles. The session organizers must submit proposals to the Invited Sessions Chair Tao Song at taosong@ucsd.edu by **December 15, 2005**.

Tutorial Proposals: Proposals for half-day tutorials must be submitted to the Tutorials Chair. Proposals that address topics related to the conference theme. Proposals must include (1) Title, (2) Organizers, (3) Objectives and Topics, (4) Intended Audience, and (5) List of Speakers. Proposals must be submitted to the Tutorials/Workshops Chair, John Santiago at jsantiago1956@hotmail.com by **December 15, 2005**.

Important Deadlines:

December 15, 2005 Proposals for Invited Sessions & Tutorials
January 31, 2006 Submission of full-length papers or 3-page abstracts
February 15, 2006 Acceptance/Rejection notification
March 1, 2006 Full camera ready papers due electronically