IEEE SMC
Systems, Man, and Cybernetics Society

SMC 2016 CALL FOR PAPERS
2016 IEEE International Conference on Systems, Man, and Cybernetics
October 9-12, 2016 Hotel Intercontinental, Budapest, Hungary

SMC2016 is dedicated to the Hungarian born John von Neumann "a Pioneer of Modern Computer Science".
In honor of him, the theme of the conference is

"A theory that transformed the world to a Cyberspace"

Papers related to the conference theme are especially solicited, including theories, methodologies, and emerging applications. The following contributions on theory and practice, including but not limited to the following technical areas, are invited.

The 2016 IEEE International Conference on Systems, Man, and Cybernetics (SMC2016) will be held in the heart of Central Europe, in Budapest which one of the most beautiful and historical cities in Europe. SMC2016 is the flagship conference of the IEEE Systems, Man, and Cybernetics Society. It provides an international forum for researchers and practitioners to report up-to-the-minute innovations and developments summarize state-of-the-art, and exchange ideas and advances in all aspects of systems science and engineering, human machine systems and cybernetics. Advances in systems science and engineering, human-machine systems and cybernetics have increasing importance in the creation of intelligent environments involving technologies interacting with humans to provide an enriching experience, and thereby improve quality of life.

Systems Science & Engineering
Communications
Conflict Resolution
Consumer/Industrial Applications
Control of Uncertain Systems
Cooperative Systems and Control
Decision Support Systems
Discrete Event Systems
Distributed Intelligent Systems
Enterprise Information Systems
Fault Monitoring and Diagnosis
Intelligent Power Grid
Smart Metering
Infrastructure Systems & Services
Homeland Security
Intelligent Green Production
Intelligent Transportation Systems
Large-Scale System of Systems
Manufacturing Systems
Mechatronics
Micro and/or Nano Systems
Quality/Reliability Engineering
Robotic Systems
Service Systems & Organizations
Smart Sensor Networks
System Modeling and Control
Technology Assessment

Human-Machine Systems
Assistive Technology
Augmented Cognition
Brain-based Information Communications
Design Methods
Entertainment Engineering
Human-Computer Interaction
Human Factors
Human Performance Modeling
Human-Machine Cooperation & Systems
Human-Machine Interface Web Intelligence Interaction
Information Visualization
Information Systems for Design/Marketing
Virtual and Augmented Reality Systems
Interactive and Digital Media
Interactive Design Science & Engineering
Kansei (sense/emotion) Engineering
Medical Informatics
Multimedia Systems
Multi-user Interaction
Resilience Engineering
Supervisory Control
Systems Safety and Security
Team Performance and Training Systems
User Interface Design
Wearable Computing

Cybernetics
Agent-Based Modeling
Artificial Immune Systems
Artificial Life
Biometric Systems and Bioinformatics
Computational Intelligence
Computational Life Science
Cybernetics for Informatics
Evolutionary Computation
Expert and Knowledge-based Systems
Information Assurance & Intelligent Multimedia Computation
Heuristic Algorithms
Hybrid models of NN, Fuzzy Systems and Evolutionary Computing
Image Processing/Pattern Recognition
Fuzzy Systems and their Applications
Intelligent Internet Systems
Knowledge Acquisition
Machine Learning
Machine Vision
Media Computing
Medical Informatics
Neural Networks and their Applications
Optimization
Self-Organization
Swarm Intelligence

Deadlines

February 15, 2016
Submission of proposals for Special Sessions

March 15, 2016
Acceptance/rejection notification of proposals for Special Sessions

April 15, 2016
Extended deadline for submission of regular, special, short, demo, and poster sessions

Apr 15, 2016
Deadline for submission of proposals for tutorial and workshop sessions

May 25, 2016
Acceptance notification for tutorial and workshop sessions

May 25, 2016
Acceptance notification for all categories of papers and posters

Jul 9, 2016
Final camera-ready papers due for regular, special, short, and demo paper sessions

Augustus 5, 2016
Deadline for early registration

Call for Regular Session Papers
Prospective authors are invited to submit full-length papers electronically through the conference website. Papers should be concise, but contain sufficient detail s and references to allow critical review.

Call for Special Sessions
Special Sessions provide a focused discussion of new or innovative topics. Special session organizers collect at least five papers, download the special session proposal template from the SMC2014 website, and submit the completed proposal to the Special Sessions Chair.

Call for Short Paper Sessions, Demo Paper Sessions, and Poster Sessions
These categories are intended to promote applied research and applications, including work in progress, and encourage collaboration between industrial and academic members of the SMC community.

Contact
Imre J. Rudas
General Chair
Óbuda University, Hungary
rudas@uni-obuda.hu