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SMC 2017 CALL FOR PAPERS



2017 IEEE International Conference on Systems, Man, and Cybernetics, October 5–8, 2017, Banff Center, Banff, Canada

<http://www.smc2017.org>

The 2017 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2017) will be held in Banff Centre one of the most modern conference facility in North America, with majestic mountain view. SMC 2017 is the flagship conference of the IEEE Systems, Man, and Cybernetics Society. It provides an international forum for researchers and practitioners to report most recent 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 these fields 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.

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

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/Automation
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 in Intelligent
Machine Learning
Machine Vision
Media Computing
Medical Informatics
Neural Networks and their Applications
Optimization
Self-Organization
Swarm Intelligence

Important Dates

February 15, 2017	Deadline for submission of proposals for Special Sessions
March 15, 2017	Acceptance/rejection notification of proposals for Special Sessions
April 7, 2017	Deadline for submission of contributions for Regular and Special Sessions
April 7, 2017	Deadline for submission of proposals for Tutorials and Workshop Sessions
April 30, 2017	Acceptance notification for Tutorials and Workshop Sessions
May 25, 2017	Acceptance notification for Regular and Special Session papers
May 30, 2017	Submission deadline for Late Breaking, Industrial papers and Workshop papers
June 30, 2017	Acceptance notification for Late Breaking, Industrial and Workshop papers
July 9, 2017	Final camera-ready papers due for Regular, Special Sessions, Late Breaking/ Sessions, and Demo Paper Sessions
August 5, 2017	Deadline for early registration
October 5-8, 2017	Conference dates

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 details and references to allow critical review.

Call for Special Sessions

Special Sessions provide a focused discussion of new or innovative topics. Special Session organizers should collect at least five papers, download the special session proposal template from the SMC 2017 website, and submit the completed proposal to the Special Sessions Chairs.

Call for Industrial Papers and Late Breaking Papers

These categories of contributions are intended to promote applied research and applications, including work in progress, and facilitate increased collaboration between industrial and academic members of the SMC community.

Note: Accepted papers that are not **PHYSICALLY presented** at SMC 2017 will be excluded from the IEEE Xplore.