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# SMC 2017



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

<http://www.smc2017.org>

## Call for Papers: Late Breaking Papers Track

The 2017 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2017) will be held in the Banff Centre one of the most modern conference facilities in North America, with majestic mountain views. 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 their most recent innovations and developments, summarize the 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 the quality of life.

Papers in the Late Breaking track of the conference are solicited. The contributions in this track are intended to promote applied research and applications, including work in progress that is breakthrough in nature. The contributions may be from the following technical areas:

### 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

May 30, 2017	Paper submission deadline for the Late Breaking track
June 30, 2017	Paper acceptance notification for the Late Breaking track
July 9, 2017	Final camera-ready papers due for the Late Breaking track
August 5, 2017	Deadline for early registration
October 5-8, 2017	Conference dates

**Note:** All late breaking papers are included in the proceeding with a maximum of 6 pages. Accepted papers that are not **PHYSICALLY presented** at SMC 2017 will be excluded from the IEEE Xplore.