IEEE SMC Systems, Man, and Cybernetics Society

SMC 2019 CALL FOR PAPERS

2019 IEEE International Conference on Systems, Man, and Cybernetics
October 6-9, 2019 Nicolaus Hotel, Bari, Italy

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February 20, 2019
Submission of Special Session proposal
March 15, 2019
Acceptance/rejection notification of Special Sessions
April 19, 2019 NEW!!
Deadline for submission of regular and special session papers
April 6, 2019
Submission of proposals for Tutorial and Workshops
April 30, 2019
Approval of Tutorial and Workshops
June 7, 2019
Acceptance notification of papers
July 7, 2019
Final camera-ready papers

The theme of IEEE SMC 2019 is Industry 4.0

Industry 4.0 is the fourth industrial revolution that is opening new trends of automation, system sciences and cyber-physical systems. Industry 4.0 has the objective of creating "smart factories" where cyber-physical systems monitor physical processes, decentralized controllers monitor and manage the systems, Internet of Things communicates and cooperates with humans in real time via the Internet of Things Services.
The conference will offer a great opportunity to exchange new results and challenges about modern information and communication technologies, Internet of Things, big data and cloud computing with the objective of increasing productivity within various industrial sectors and service providers.

Systems Science & Engineering
Conflict Resolution
Cooperative Systems and Control
Cyber-Physical Cloud Systems
Decision Support Systems
Discrete Event Systems and Petri Nets
Distributed Intelligent Systems
Enterprise Architecture & Engineering
Enterprise Information Systems
Grey Systems
Homeland Security
Smart Metering
Smart Cities
Smart Buildings
Infrastructure Systems and Services
Intelligent Green Production Systems
Intelligent Learning in Control Systems
Intelligent Power and Energy Systems
Intelligent Transportation Systems
Intelligent Vehicle Systems & Control
Large-Scale System of Systems
Logistics Informatics and Industrial Security Systems
Medical Mechatronics
Model-Based Systems Engineering
Robotic Systems
Service Systems and Organization
System of Systems
Smart Sensor Networks
System Modeling and Control
Systems Biology
Technology Assessment

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

Cybernetics
Agent-Based Modeling
Artificial Immune Systems
Artificial Life
Big Data Analytics
Biometric Systems and Bioinformatics
Cloud Computing
Computational Intelligence
Computational Life Science
Cybernetics for Informatics
Evolutionary Computation
Expert and Knowledge-Based Systems
Industry 4.0
Information Assurance
Internet of Things
Multimedia Computation
Heuristic Algorithms
Hybrid models of NN, Fuzzy Systems and Evolutionary Computing
Image Processing/Pattern Recognition
Fuzzy Systems and Applications
Intelligent Internet Systems
Knowledge Acquisition in Intelligent Machine Learning
Machine Vision
Media Computing
Medical Informatics
Neural Networks and Applications
Optimization
Self-Organization
Swarm Intelligence
Quantum Cybernetics
Quantum Machine learning

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 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 SMC2019 website, and submit the completed proposal to the Special Sessions Chair.

Call for Demo Paper Sessions, Tutorials and Workshops
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.

Contacts:
Maria Pia Fanti, mariapia.fanti@poliba.it
Mengchu Zhou, zhou@njit.edu

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