

# IEEE SMC JUNIOR 2016

## A NEW INITIATIVE OF SMGS

### CALL FOR PAPERS

**IEEE**  
**SMC**  
Systems, Man, and Cybernetics Society

**SMC JUNIOR 2016 ([www.smc2016.org/junior](http://www.smc2016.org/junior))**

**A Satellite Conference of 2016 IEEE International Conference on Systems, Man, and Cybernetics October 9-12, 2016 Hotel Intercontinental, Budapest, Hungary.**

**SMC Junior 2016 is organized for Students and Young Professionals (YP)** in order to provide a platform

- To attend and publish a paper at an internationally highly recognized conference
- To be involved and learn how to organize conferences
- To be involved in and to learn the review process
- To learn how to be a chair of a session
- To prepare how to become an academic.

**The extra features of SMC Junior 2016 are**

- For low income country participants
  - Student travel grants
  - Reduced registration fee
- Best paper awards
- Student and YP competitions
- Local travel support
- **Post Conference Budapest Tour**  
Guided tour by professional youths to meet Budapest as the City of Young Generation.

#### Deadlines

##### February 15, 2016

Submission of proposals for Special Sessions

##### March 15, 2016

Acceptance/rejection notification of proposals for Special Sessions

##### April 15, 2016

Deadline for submission of regular, special, demo and position papers

##### April 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

##### July 9, 2016

Final camera-ready papers due for regular, special, demo and position paper sessions

Deadline for early registration

**SMC 2016 and SMC Junior 2016 are 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.

#### 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 and Engineering  
Enterprise Information Systems  
Grey Systems

Homeland Security  
Smart Metering

Infrastructure Systems and Services  
Intelligent Green Production Systems  
Intelligent Learning in Control Systems  
Intelligent Power and Energy Systems  
Intelligent Transportation Systems  
Intelligent Vehicle Systems and 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

Assistive Technology  
Augmented Cognition  
Brain-based Information Communications  
Design Methods  
Entertainment Engineering  
Human-Computer Interaction  
Human Factors  
Human Performance Modeling  
Human-Machine Cooperation and Systems  
Human-Machine Interface and Communications  
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

Multimedia Systems  
Multi-User Interaction  
Resilience Engineering  
Supervisory Control  
Systems Safety and Security  
Team Performance and Training Systems  
User Interface Design  
Wearable Computing  
Affective Computing  
Companion Technologies  
Mental Models

#### 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 and Intelligent 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

#### 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 SMC2016 website, and submit the completed proposal to the Special Sessions Chair.

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