

## SMC Junior Chairs

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## Main purposes of SMC Junior Initiative

SMC Junior is organized parallel with the annual flagship **SMC conference** 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.

## Why should you participate in?

SMC Junior 2017 is a great opportunity for every student for:

- Building a strong, professional and international network and improve your networking skills
- Meet with and learn from Professionals from the same scientific field
- Participate in the Student and Young Professional Community's work regarding SMC activities

## Technical questions

The Junior establishment will not be separated from the SMC 2017 flagship conference, which means that all Junior participants can attend on all SMC 2017 events as well depends on their registration. Venue will be the same (common spots for the sections).

Common conference proceedings (Junior sessions are not separated from SMC sessions, all Junior papers will be published in the same conference proceedings.)

## SMC Student Activities Community

The SMC Student Activities Subcommittee has recently launched the Student Activities Community. The main goal of this initiative is to collect all of the student and graduated student members of SMC in order to:

- Building and keeping up stronger collaboration between the members;
- Share the important information with the members in a more effective way;
- Provide the opportunity for the members to access to different programs.

If you are interested and want to be the part of this great community, send an email to **György Eigner** ([eigner.gyorgy@nik.uni-obuda.hu](mailto:eigner.gyorgy@nik.uni-obuda.hu)) -- Chair of the Student Activities Subcommittee -- and follow us on Facebook: @ieeesmcstudentactivities <https://www.facebook.com/ieeesmcstudentactivities/>



# SMC JUNIOR 2017

## Call for Papers



A part of 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. On the SMC 2017 flagship conference of the IEEE Systems, Man, and Cybernetics Society the SMC Junior 2017 will be organized again this year. It provides an international forum for student and young 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

**May 30, 2017**

**June 30, 2017**

**July 9, 2017**

**August 5, 2017**

October 5-8, 2017

**Submission deadline for Late Breaking, Industrial papers and Workshop papers**

**Acceptance notification for Late Breaking, Industrial and Workshop papers**

**Final camera-ready papers due for Regular, Special Sessions, Late Breaking/ Sessions, and Demo Paper Sessions**

**Deadline for early registration**

Conference dates

## Call for Junior 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.

**Junior Session Papers will be the part of the Late Breaking Section of the conference. This is beneficial for Junior Authors, since the submission deadline is later and they can better accommodate works in progress.**

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