

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) -- 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.