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 2018 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 2018 flagship conference, which means that all Junior participants can attend on all SMC 2018 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 part of this great community, send an email to György Eigner (eigner.gyorgy@nik.uni-obuda.hu) -- Chair of the Young Professional Subcommittee -- and follow us on Facebook: @ieeesmcstudentactivities

https://www.facebook.com/ieeesmcstudentactivities

SMC JUNIOR 2018

Call for Papers

A part of 2018 IEEE International Conference on Systems, Man, and Cybernetics, October 7–10, 2018, Seagaia Convention Center, Miyazaki, Japan (http://www.smc2018.org)

The 2018 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2018) will be held in Seagaia Convention Center one of the most advanced conference facility in Japan, with majestic ocean view. On the SMC 2018 flagship conference of the IEEE Systems, Man, and Cybernetics Society the SMC Junior 2018 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

Human-Machine Systems

Cybernetics

Communications

Assistive Technology

Agent-Based Modeling

Conflict Resolution

Augmented Cognition

Artificial Immune Systems

Consumer/Industrial Applications

Brain-based Information Communications

Artificial Life

Control of Uncertain Systems

Design Methods

Biometric Systems and Bioinformatics

Cooperative Systems and Control

Entertainment Engineering

Computational Intelligence

Decision Support Systems

Human-Computer Interaction

Computational Life Science

Discrete Event Systems

Human Factors

Cybernetics for Informatics

Faulty Monitoring and Diagnosis

Human Performance Modeling

Evolutionary Computation

Distributed Intelligent Systems

Enterprise Information Systems

Human-Machine Cooperation & Systems

Expert and Knowledge-Based Systems

Enterprize Information Systems

Human-Machine Interface Web

Information Assurance & Intelligent

Fault Monitoring and Diagnosis

Intelligence Interaction

Multimedia Computation

Distributed Intelligent Systems

Information Visualization

Heuristic Algorithms

Enterprize Information Systems

Information Systems for Design/Marketing

Hybrid Models of NN, Fuzzy Systems

Faulty Monitoring and Diagnosis

Virtual and Augmented Reality Systems

Image Processing/Pattern Recognition

Faulty Monitoring and Diagnosis

Interactive Design Science & Engineering

Fuzzy Systems and their applications

G-Mechatronics

Kansei (sense/emotion) Engineering

Intelligent Internet Systems

Homeland Security

Medical Informatics

Knowledge Acquisition in Intelligent

Intelligent Green Production

Medical Systems

Machine Learning

Intelligent Transportation Systems

Kansei (sense/emotion) Engineering

Machine Vision

Large-Scale System of Systems

Kansei (sense/emotion) Engineering

Medical Informatics

Manufacturing Systems/Automation

Medical Systems

Medical Informatics

Micro and/or Nano Systems

Multi-user Interaction

Machine Vision

Quality/Reliability Engineering

Resilience Engineering

Medical Informatics

Robotics Systems

Supervisory Control

Medical Informatics

Service Systems & Organizations

Systems Safety and Security

Neural Networks and Their Applications

Smart Sensor Networks

Team Performance and Training Systems

Optimization

System Modeling and Control

User Interface Design

Self-Organization

Technology Assessment

Wearable Computing

Swarm Intelligence

Important Dates

April 14, 2018* Submission deadline for Junior papers

June 1, 2018 Acceptance notification for Junior papers

July 10, 2018 Deadline for author registration

July 20, 2018 Final camera-ready papers due for all papers

October 7-10, 2018 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.

*(AoE: Anywhere on Earth)

Note: Accepted papers that are not PHYSICALLY presented at SMC 2018 will be excluded from the IEEE Xplore.