



Deadlines
Submission of proposals for Special Sessions:
~~Feb 15, 2021~~ **March 1, 2021**

The 2021 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2021), is the flagship conference of the IEEE Systems, Man, and Cybernetics Society. It provides an international forum for researchers, educators and practitioners to learn, share knowledge, report most recent innovations and developments, and to exchange ideas and advances in all aspects of systems science and engineering, human-machine systems, and cybernetics. IEEE SMC 2021 will be held in Australia's cultural capital, Melbourne. Contributions to theory and practice, including but not limited to, the following technical areas, are invited:

Systems Science & Engineering

Autonomy/Autonomous Systems
Conflict Resolution
Consumer/Industrial Applications
Control of Uncertain Systems
Cooperative Systems and Control
Decision Support Systems
Digital Twins, Digital Thread
Discrete Event Systems
Distributed Intelligent Systems
Enterprise Information Systems
Fault Monitoring and Diagnosis
Haptically-Enabled Robotics
Homeland Security
Industry 4.0, Industry 5.0
Infrastructure Systems & Services
Intelligent Green Production Syst.
Intelligent Power/Energy Systems
Intelligent Transportation Systems
Large-Scale Systems of Systems
Micro and/or Nano Systems
Multi-Agent Systems
Quality/Reliability Engineering
Robotic Systems
Service Systems & Organization
Smart Buildings and Infrastructures
Smart Metering, Smart Cities
Smart Sensor Networks/IoT
System Modeling and Control
Technology Assessment
Tele-robotics and Tele-operation
Transdisciplinary Research

Human-Machine Systems

Assistive Technology
Augmented Cognition
Biometrics and Applications
Brain-Machine Interface Systems
Cognitive Computing
Companion Technology
Cooperative Work in Design
Entertainment Engineering
Environmental Sensing,
Networking & Decision-Making
Haptic Systems
Human-Centered Transportation
Human-Collaborative Robotics
Human-Computer Interaction
Human-Machine Cooperation
Human Factors
Human Perception in Multimedia
Human Performance Modeling
Information Systems for Design
and Marketing
Interactive and Digital Media
Kansei Engineering
Medical Informatics
Multimedia Systems
Resilience Engineering
Shared Control
Systems Safety and Security
Team Performance & Training
Virtual and Augmented Reality
Visual Analytics/Communication
Wearable Computing

Cybernetics

AI and Machine Learning
Artificial Immune Systems & ALife
Awareness Computing
Big Data Computing
Brain-Inspired Cognitive Systems
Cognitive Situation Management
Computational Cybernetics
Computational Collective Intelligence
Computational Life Science
Computational Psychophysiology
Cyber-Medical Systems
CyberMatics
Cybernetics for Cyber-Physical Systems
Evolving Intelligent Systems
Expert and Knowledge-Based Systems
Granular Computing
Information Assurance & Intelligent
Multimedia-Mobile Communications
Image Processing/Pattern Recognition
Intelligent Industrial Systems
Intelligent Internet Systems
Intelligent Vehicular Systems & Control
Knowledge Acquisition
Machine Vision
Medical Informatics
Quantum Cybernetics & Quantum ML
Self-Organization
Social and Economic Security
Social Computing & Social Intelligence
Soft Computing
Swarm Intelligence & Engineering

Acceptance notification of Special Sessions:
March 15, 2021

Submission of Regular Papers,
Special Session Papers, Industrial Papers, and
Tutorial and Workshop proposals: **April 5,
2021**

Acceptance Notification for Tutorials and
Workshops: **April 26, 2021**

Acceptance Notification for Regular, Special
Session, and Industrial Papers:
May 24, 2021

Final camera-ready Regular, Special Session,
Industrial and Workshop Papers:
July 12, 2021

Deadline for early registration:
August 2, 2021

General Chair: Saeid Nahavandi, Australia

General Co-Chair

Peng Shi, Australia
Edward Tunstel, USA

Program Chair: Anthony Maciejewski
Program Co-Chairs: Lance Fung, David Kaber,
Zhi Wei
Publication Co-Chairs: Honghai Liu, Abbas
Khosravi, Peter Xu
Awards Co-Chairs: Dimitar Filev, Larry Hall,
Philip Chen

Publicity Co-Chairs: Maria Pia Fanti, Xiaojie
Su, Tadahiko Murata, Laxmidhar Behera
Special Session Co-Chairs: Daoyi Dong,
Parham Kebria, Sam Kwong

Industrial Co-Chairs: Chris Nemeth, Yutaka
Hata, Mehran Motamed Ektesabi, Keith
Hipel

Poster Co-Chairs: Darius Nahavandi, Alireza
Sadeghian

Finance Co-Chairs: Ferat Sahin, Syed Salaken
Registration Co-Chairs: Haibin Zhu, György
Eigner, Asim Bhatti

Submission Co-Chairs: Denny Oetomo, Wang
Xin, Dmitry Goldgof, Shady Mohamed

Tutorial Co-Chairs: Ching-Chih Tsai, Abdollah
Homaifar, Navid Mohajer

Exhibition and Donation Co-Chairs: Vinod
Puri, Mo Jamshidi

Workshop Co-Chairs: Chin-Wang W Tao,
Mozafar Saadat, Houshyar Asadi, Chao Shen

**Program Co-Chairs for Quality Control/
Assurance:** Giancarlo Fortino, Thomas
Strasser

Local Organising Committee: Saeid
Nahavandi, Lance Fung, Daoyi Dong, Denny
Oetomo, Asim Bhatti, Darius Nahavandi, Syed
Salaken, Parham Kebria, Vinod Puri, Mehran
Motamed Ektesabi, Thanh Thi Nguyen

Regular Papers

Prospective authors are invited to submit full-length papers electronically through the conference website. Papers (6 pages) should be concise but contain sufficient details and references to allow critical review. Papers will be reviewed by at least two referees for technical merit and content.

Special Sessions Papers

Special Sessions provide a focused discussion of new and innovative topics. Special Session proposers should download the special session proposal template from the SMC 2021 website and submit the completed proposal to the Special Sessions Chairs. Special Session organizers should collect at least eight papers. All submitted papers undergo the same review process, and submission to proposed sessions is not a guarantee of acceptance.

Industrial Papers

These contributions are intended to promote contributions from industries on technology development, innovations and implementations, which will facilitate collaboration between industrial and academic members of the SMC community.

Workshop and Tutorial Papers

These contributions are intended to promote contributions from applied research and applications, including work in progress and facilitate increased collaboration between industrial and academic members of the SMC community.

Contact: General Chair

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