



<http://ieeesmc2021.org/>

Deadlines

Submission of proposals for Special Sessions:

February 15, 2021

Acceptance notification of Special Sessions:

March 15, 2021

Submission of Regular 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, Xiaolong Wang, Hossam Gabbar, Sam Kong
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 Chair for Quality Control/ Assurance: Giancarlo Fortino
Local Organising Committee: Saeid Nahavandi, Lance Fung, Daoyi Dong, Denny Oetomo, Asim Bhatti, Darius Nahavandi, Syed Salaken, Parham Kebria, Vinod Puri, Mehran Motamed Ektesabi

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

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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