



“Integrating real world, virtual models, and society”

Call for Papers

The 2022 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2022) 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 exchange ideas and advances in all aspects of systems science and engineering, human-machine systems, and cybernetics.

[PAPER TEMPLATES \(WORD AND LATEX/OVERLEAF FORMATS\)](#)

[SUBMISSION PAGE - COMING SOON](#)

Submission Guidelines

Authors must adhere to the IEEE conference written paper format and they must submit the draft version of the paper for review before the due submission deadlines (see dates below). These are submitted through the PaperCept submission system (see link above). IEEE is very strict about the requirements for PDF files for inclusion in the [IEEE Xplore® Digital Library](#). We strongly recommend using the set of templates in MS Word and LaTeX format provided by IEEE (see link above). Letter page size is preferred, and A4 can also be used. Please use them to create your paper, but don't modify the style or the format under any circumstances.

Submit only original work, not previously published or copyrighted. Prospective authors are expected to submit only their original works. The conference will be using the CrossCheck automated screening system to help verify the originality of papers. Submitted works may be compared to over 20 million articles in databases worldwide. Papers that violate IEEE's publication principles may be summarily rejected. If the violation is deemed severe, then disciplinary actions may also be taken by IEEE. For further details please have a look into the [Conference Authors @ IEEE Author Center](#).

Accepted and presented papers will be copyrighted to IEEE and published in conference proceedings, which will be eligible for inclusion in the [IEEE Xplore® Digital Library](#), once it meets the requirements of an IEEE quality review. It will then be customarily indexed by EI Compendex.

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 2022 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.

Deadlines

Submission of Proposals for Special Sessions: **February 15, 2022**

Acceptance notification of Special Sessions: **March 15, 2022**

Submission of Regular Papers, Industrial Papers, and Tutorial and Workshop proposals: **April 15, 2022**

Acceptance Notification for Tutorials and Workshops: **April 29, 2022**

Acceptance Notification for Regular, Special Session, and Industrial Papers: **May 27, 2022**

Final camera-ready Regular, Special Session, Industrial and Workshop Papers: **July 2, 2022**

Deadline for early registration: **July 29, 2022** (single registration covers two articles)

Topics

Cybernetics (CYB)

- › Agent-Based Modeling
- › Application of Artificial Intelligence
- › Artificial Immune Systems
- › Artificial Life
- › Biometric Systems and Bioinformatics
- › Cloud, IoT, and Robotics Integration
- › Complex Network
- › Computational Intelligence
- › Computational Life Science
- › Cybernetics for Informatics
- › Deep Learning
- › Evolutionary Computation
- › Expert and Knowledge-Based Systems
- › Fuzzy Systems and their applications
- › Heuristic Algorithms
- › Hybrid Models of Neural Networks, Fuzzy Systems, and Evolutionary Computing
- › Image Processing and Pattern Recognition
- › Information Assurance and Intelligent
- › Intelligent Internet Systems
- › Knowledge Acquisition in Intelligent
- › Machine Learning
- › Machine Vision
- › Media Computing
- › Medical Informatics
- › Multimedia Computation
- › Neural Networks and their applications
- › Optimization and Self-Organization approaches
- › Quantum Cybernetics
- › Quantum Machine Learning
- › Representation Learning
- › Swarm Intelligence
- › Transfer Learning

Human-Machine Systems (HMS)

- › Assistive Technology
- › Augmented Cognition
- › Brain-based Information Communications
- › Design Methods
- › Entertainment Engineering
- › Human Factors
- › Human Performance Modeling
- › Human-centered Learning
- › Human-Computer Interaction
- › Human-Machine Cooperation and Systems
- › Human-Machine Interface
- › Information Systems for Design
- › Information Visualization
- › Intelligence Interaction
- › Interactive and Digital Media
- › Interactive Design Science and 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
- › Virtual and Augmented Reality Systems
- › Wearable Computing

Systems Science & Engineering (SSE)

- › Communications
- › Conflict Resolution
- › Consumer and Industrial Applications
- › Control of Uncertain Systems
- › Cooperative Systems and Control
- › Decision Support Systems
- › Discrete Event Systems
- › Distributed Intelligent Systems
- › Electric Vehicles and Electric Vehicle Supply Equipment
- › Enterprise Information Systems
- › Fault Monitoring and Diagnosis
- › Homeland Security
- › Infrastructure Systems and Services
- › Intelligent Green Production Systems
- › Intelligent Power Grid
- › Intelligent Transportation Systems
- › Large-Scale System of Systems
- › Manufacturing Automation and Systems
- › Mechatronics
- › Micro and Nano Systems
- › Modeling of Autonomous Systems
- › Quality and Reliability Engineering
- › Robotic Systems
- › Service Systems and Organizations
- › Smart Buildings, Smart Cities and Infrastructures
- › Smart Metering
- › Smart Sensor Networks
- › Soft Robotics
- › System Architecture
- › System Modeling and Control
- › Technology Assessment
- › Trust in Autonomous Systems