



# CALL FOR PAPERS

## ORGANIZERS

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Swinburne University of Technology, Australia

## DEADLINES:

April 1, 2024 **April 15, 2024**  
Paper submission

April 30, 2024 **May 6, 2024**  
Acceptance notification

**May 15, 2024**  
Full manuscript & early registration



IEEE System, Man, and Cybernetics Society announces the 19th International Conference on System of Systems Engineering (SoSE) with its vast ramifications in numerous engineering fields such as control, computing, communication, information technology, artificial intelligence, and in applications such manufacturing, defense, national security, aerospace, aeronautics, energy, environment, healthcare, and transportation. The conference theme is “AI Role in System of Systems Engineering”. Papers on theories, methodologies, and applications of System of Systems Engineering in science, technology, industry, and education are welcome.

## Paper Submission

Papers should be five to six pages in length, in standard two-column IEEE Conference Proceedings format. We will also accept three-page poster papers (in two-column format). Invitations will be made to the authors of the best papers to submit an extended version of papers to the following journals or book chapters for the CRC Taylor-Francis SOSE Book Series:

- » IEEE Systems Journal (<http://www.ieeesystemsjournal.org/>)
- » Journal of Enterprise Transformation (<http://www.tandf.co.uk/journals/UJET>)
- » CRC Taylor & Francis Books Series on SoSE, Mo Jamshidi, Editor

Papers of both categories should be submitted electronically to the EDAS IEEE [SoSE 2024](#) Submission Portal. Detailed instructions for paper/poster submission and format can be found on the conference web site at: <https://sosengineering.org>

For general and technical program inquiries about the conference, please contact the conference General Chair, Ferat Sahin ([feseee@rit.edu](mailto:feseee@rit.edu)) and the Program Co-Chairs Celal Savur ([celal.savur@intel.com](mailto:celal.savur@intel.com)) and Patrick Benavidez ([patrick.benavidez@gmail.com](mailto:patrick.benavidez@gmail.com)), respectively.

## Keynotes

- » Paul Hershey, RTX
- » Adrian Stoica, IEEE SMC Society President
- » Sky Mathews, IBM Watson
- » John Palmer, Boeing
- » Marilee Wheaton, INCOSE

## Topic areas for consideration include:

- ✓ Artificial Intelligence (AI) and Machine Learning (ML) in SoSE
- ✓ Agriculture 5.0
- ✓ Automotive SoSE
- ✓ Big Data Analytic, Cloud & Distributed Computing, Service Oriented Architectures
- ✓ Case Studies
- ✓ Control
- ✓ Cyber Physical Systems and IoT: Engineering Issues
- ✓ Cyber Security
- ✓ Decision-making
- ✓ Defense, Space, National Security
- ✓ Emergence
- ✓ Energy, Smart Grid Technologies
- ✓ Engineering Education
- ✓ Enterprise and Business Architecture
- ✓ Environment
- ✓ Health Care
- ✓ Industry 5.0
- ✓ Internet of Things
- ✓ Management Models for System of Systems Engineering
- ✓ Manufacturing
- ✓ Ocean Space, Maritime, Offshore, Subsea Systems Engineering
- ✓ Autonomous Vehicles & Robotic Systems, UAVs, ROVs, Drones, etc.
- ✓ SoSE Architecture, Design and V & V Methods
- ✓ SoSE Availability, Maintainability, Reliability, Resilience, Safety
- ✓ SoSE Simulation, Modeling and Analysis Methods
- ✓ Systems Governance and Policy
- ✓ Transportation (including civil air traffic control)
- ✓ Telepresence & Digital Twin

