IEEE RASSE 2024

IEEE International Conference on Recent Advances in Systems Science and Engineering

NOVEMBER 6-8, 2024 | NATIONAL CHUNG HSING UNIVERSITY | TAICHUNG, TAIWAN

CALL FOR PAPERS

SUBMISSION DEADLINES

July 15, 2024
Full Paper Initial Submission,
Special Session Proposal Deadline,
Tutorial Proposal Deadline,
Industrial Forum Initial Submission,
PhD Forum Initial Submission,
Short Paper Submissions

September 15, 2024
Acceptance Notification

October 7, 2024
Final Manuscript Deadline,
Author Registration Deadline

ORGANIZERS

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IEEE International Conference on Recent Advances in Systems Science and Engineering (RASSE) aims to create a high-profile, leading-edge, interactive forum for researchers, engineers, practitioners, and educators to exchange state-of-the-art research results and innovations, to discuss industrial practice, and to define the future research topics in all aspects of systems science and engineering. You are cordially invited to participate in this forum spanning multiple disciplines and specialty areas related to systems science and engineering, including science, technology, methodology, and applications of systems, integrated systems, cyber-physical systems, system-of-systems, etc.

The conference publishes state-of-the-art works related to all aspects of the systems science and engineering research.

The topics of interests include, but are not limited to:

- Systems Science & Engineering
- Systems-of-Systems
- Systems Architecture
- Systems Verification & Management
- Large-Scale Systems Integration
- Modeling & Simulation
- Model-Based Systems Design
- Standards and Interoperability
- Digital Twins
- Cyber-Physical Systems
- Cyber-Physical System Security
- Human-Machine-Systems (Industry 5.0)
- Autonomous Systems
- Circuits and Systems for Artificial Intelligence
- Computer and Multimedia Systems
- Signal Processing Systems
- Embedded Systems Design
- VLSI Design and CAD Systems
- Space and Communication Systems
- Wireless Communication and Network Systems
- Automotive Systems
- Robotic and Control Systems
- Medical Systems
- Biomedical and Instrumentation Systems
- Transportation Systems
- Energy and Power Electronics Systems
- Micro-Nano Electronics and Optoelectronics Systems
- Electronic Materials and Nano Devices
- Environmental Systems
- Education in Systems Engineering Big Data Processing & Internet of Things
- Metaverse Technologies and Systems
- Distributed and Decentralized Systems
- Intelligent Video Analytics and Vision Systems
- Personalized Healthcare Systems
- Green and Sustainable Systems
- Beyond CMOS: Nanoelectronics, Heterogeneous System Integration and Chiplets
- Analog and Mixed Signal Circuits and Systems
- Trusted Electronics & Hardware Security
- Computing Systems (quantum, edge & high performance)
- Sensory Circuits and Systems
- Nonlinear Systems and Circuit Theory
- Microwave, mmWave, Terahertz systems
- Neural Networks and Neuromorphic Engineering
- Autonomous Vehicles & Systems

An extended and expanded version of accepted RASSE 2024 papers can be submitted to the IEEE Systems Journal.

RASSE 2024 solicits original work not under consideration for publication in any other conference or journal. We welcome the submissions in the following categories:

- Research and application papers: long manuscripts (8 pages maximum) addressing novel ideas, theoretical issues, technologies, methodologies, and applications.
- Case studies and practical experiences in the industry: short papers (6 pages maximum) presenting practical ideas and case studies.

Special Session and Tutorials on the latest trends in System Sciences and Engineering are planned. The interested organizers should contact Special Session and Tutorials Chairs for the details.