



IEEE INTERNATIONAL CONFERENCE ON SUSTAINABLE INFRASTRUCTURE AND CIVIL ENGINEERING (SUCIE 2027)

Theme: Building Sustainable Infrastructure for Resilient and Inclusive Communities

7-8 May 2027 • PARKROYAL Penang Resort, Penang Island, Malaysia • sucie.acscrg.com/2027/

The IEEE Society on Social Implications of Technology (SSIT), Malaysia Chapter is proud to announce SUCIE 2027, held as a hybrid conference. Local presenters are required to present onsite, while international presenters may choose either physical or virtual presentation. SUCIE 2027 aims to foster interdisciplinary collaboration between academia, industry, and government while promoting responsible engineering solutions and technological innovation that contribute to sustainable, resilient, safe, and inclusive infrastructure for communities worldwide.

CALL FOR PAPERS & TRACKS

Work in progress, research papers, survey papers, application and theoretical papers, poster presentations and position papers for the workshop are all welcome. Full papers, with a maximum length of six pages, adhering to the IEEE conference paper formatting should be submitted via the website. Papers are sought on any topic in the spectrum of the conference theme, including, but not limited to the following:

Track 1: Sustainable Infrastructure Systems

- Sustainable Infrastructure, Green Buildings
- Resilient Infrastructure, Circular Construction
- Infrastructure Asset Management & Lifecycle

Track 2: Smart Construction and Digital Engineering

- Building Information Modelling (BIM), Digital Twin
- Construction Informatics & Automation
- UAV Applications, Reality Capture

Track 3: AI and Data Analytics for Civil Engineering

This could become one of the flagship tracks.

- Machine Learning, Deep Learning, Computer Vision
- Predictive Analytics, Structural Damage Detection
- AI for Construction, Transportation & Design

Track 4: Modelling, Simulation and Computational Engineering

Another excellent IEEE-style track. This will attract many Mechanical Engineering researchers too.

- Finite Element Analysis, CFD, Digital Simulation
- Structural/Traffic/Agent-based Simulation
- Computational Mechanics, Optimization

Track 5: IoT, Sensors and Smart Infrastructure

Very IEEE.

- Wireless Sensor Networks, Smart Sensors, IoT
- Structural Health Monitoring, Edge Computing
- Smart Bridges, Buildings & Remote Monitoring

Track 6: Robotics, Automation and Autonomous Systems

- Construction Robotics, Autonomous Equipment
- Drone Inspection, Autonomous Surveying
- Robotic Construction, Human-Robot Collaboration

Track 7: Sustainable Transportation and Smart Mobility

- Intelligent Transportation Systems
- Connected Vehicles, Smart Mobility
- Traffic Analytics, EV Infrastructure

Track 8: Water, Environment and Climate Technologies

- Smart Water Systems, Flood Prediction
- Environmental Monitoring
- AI for Water Management, Climate Adaptation

Track 9: Advanced Materials and Construction Technologies

- Smart Materials, Self-healing Concrete
- Nano Materials, 3D Printing
- Sustainable Materials, Advanced Methods

Track 10 (Signature SSIT Track): Engineering, Society and Sustainable Development

This is the signature track that differentiates SUCIE from other Civil Engineering conferences.

- Engineering Ethics, Responsible Infrastructure
- ESG in Construction, SDGs
- Human-Centered Infrastructure, Universal Accessibility
- Inclusive Urban Development, Public Policy
- Community Engagement, Technology Governance
- Climate Justice, Responsible AI in Infrastructure

IMPORTANT DATES

- **Paper Submission Deadline:** 15 January 2027
- **Notification of Acceptance:** 19 February 2027
- **Registration and Camera Ready:** 19 March 2027
- **Conference Dates:** 7 - 8 May 2027

SUBMISSION & PUBLICATION

Authors are invited to submit original research contributions or case studies not published or under review elsewhere. Papers should not exceed 6 pages and will undergo a rigorous double-blind peer-review process. Accepted and presented papers will be included in the conference proceedings and submitted for possible inclusion in IEEE Xplore® Digital Library, subject to IEEE quality standards.

CONTACT INFORMATION

For inquiries regarding paper submission, sponsorship opportunities, or general information:

Website: <https://sucie.acscrg.com/2027/>

Email: admin@sucie.acscrg.com

CONFERENCE FEES

Participant	Local (F2F) - RM		Intl (Virtual) - USD		Intl (F2F) - USD	
	IEEE Mem.	Non-IEEE	IEEE Mem.	Non-IEEE	IEEE Mem.	Non-IEEE
Student	1050	1250	250	300	350	400
Normal	1500	1600	350	400	450	500
Attendee	350	350	50	50	100	100

ORGANIZING COMMITTEE

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