



SCHOOL OF
**CIVIL
ENGINEERING**



SETU-2026

International Conference on
Smart, Sustainable & Emerging Technologies for
Climate Resilient Urban Infrastructure

1st International Conference on **Smart, Sustainable & Emerging Technologies for Climate Resilient Urban Infrastructure (SETU-2026)**

23rd-24th

October, 2026



Organised by : School of Civil Engineering, Lovely Professional University, Punjab

Lovely Professional University

Lovely Professional University (LPU) is a multi-faculty research-oriented institution with hi-tech campus offering more than 200 professional programmes. LPU campus is a complete world in itself having students from all states of India and more than 40+ countries of the world. LPU is a world class institution with internationally benchmarked curricula, innovative pedagogy focused on experiential learning, cutting edge research, 450+ foreign tie-ups, well qualified faculty with industry exposure, outstanding sports & cultural facilities, excellent residential facilities, In-campus shopping mall, hospital, banks, postal services etc. The University is ranked high on various parameters by Government Bodies and other credible organisations. LPU receives Highest Grade A++ with 3.68 score on 4 Point Scale by NAAC (National Assessment & Accreditation Council), an Autonomous Institution of the University Grants Commission (UGC), Ministry of Education, Govt. of India. The Times Higher Education World University Rankings 2025 has ranked LPU amongst Top 10 Universities in India Including all Government (even IITs & NITs), & Private Institutions, and many more...



School of Civil Engineering

LPU is one of the top Civil Engineering Colleges in India. School of Civil Engineering empowers its students with state-of-the-art technologies and latest labs that are at par with international education standards. Our students contain a superb blend of skill, leadership and, innovation. LPU School of Civil Engineering focuses on creating professionals that become the inventors of future sustainable technology. The school has rich industry and research-oriented curriculum with adoption of current industry standards & requirements with excellent placements in the leading construction and design companies, nationally and internationally as well.

About the Conference

The conference aims to provide a dynamic international platform for researchers, academicians, industry professionals, policymakers, practitioners, and students to exchange ideas, present innovative research, and discuss emerging technologies that can transform urban infrastructure systems in the face of climate change and rapid urbanization. Urban infrastructure worldwide is experiencing unprecedented challenges arising from population growth, resource scarcity, environmental degradation, and increasing frequency of climate-induced disasters. Addressing these challenges requires the integration of sustainable engineering practices, digital technologies, resilient infrastructure planning, and innovative construction materials. SETU-2026 seeks to foster interdisciplinary collaboration and knowledge sharing to develop practical, scalable, and sustainable solutions for future cities and communities. SETU-2026 aims to bridge the gap between research and practice by promoting the adoption of cutting-edge technologies such as artificial intelligence, digital twins, smart sensing systems, advanced construction techniques, sustainable materials, climate adaptation strategies, and resilient infrastructure management frameworks. The conference will also encourage discussions on policy development, industry-academia collaboration, and innovative approaches for achieving sustainable development goals. Through this international forum, participants will have the opportunity to contribute to the advancement of knowledge, establish professional collaborations, and explore transformative solutions for creating smart, sustainable, and climate-resilient urban infrastructure systems that can support future generations.

The conference will feature keynote lectures by eminent experts, technical paper presentations, panel discussions, and networking opportunities across a wide spectrum of civil engineering and infrastructure-related domains. The technical sessions will focus on six major themes: Sustainable Structural Engineering & Advanced Construction Technologies; AI, Digital Technologies & Smart Infrastructure; Transportation, Geotechnical & Urban Infrastructure Systems; Water Resources, Environmental Engineering & Climate Adaptation; Energy-Efficient Buildings, Smart Cities & Rural Development and Disaster Risk Reduction, Resilience & Infrastructure Management.

Themes of the Conference

Theme-I (Sustainable Structural Engineering & Advanced Construction Technologies)

- » Green Concrete, Low-Carbon Materials and Circular Construction
- » Advanced Composite Materials and High-Performance Structures
- » Additive Manufacturing, Modular and Prefabricated Construction
- » Structural Health Monitoring, Retrofitting and Rehabilitation Techniques
- » Innovative Construction Practices for Sustainable and Resilient Infrastructure



Theme-II (Disaster Risk Reduction, Resilience & Infrastructure Management)

- » Earthquake, Flood and Multi-Hazard Resilient Infrastructure
- » Infrastructure Asset Management and Lifecycle Assessment
- » Disaster Preparedness, Early Warning and Emergency Response Systems
- » Climate-Resilient Urban Planning and Critical Infrastructure Protection
- » Risk Assessment, Resilience Modelling and Post-Disaster Rehabilitation



Theme-III (Transportation, Geotechnical & Urban Infrastructure Systems)

- » Sustainable Transportation Planning and Intelligent Traffic Systems
- » Smart Pavement Materials and Advanced Highway Engineering
- » Geotechnical Innovations for Urban and Underground Infrastructure
- » Urban Mobility, Public Transport and Transit-Oriented Development
- » Resilient Foundations, Tunnelling and Slope Stability Engineering



Theme-IV (AI, Digital Technologies & Smart Infrastructure)

- » Artificial Intelligence and Machine Learning in Civil Engineering
- » Digital Twins, BIM and Smart Infrastructure Management
- » Internet of Things (IoT) and Sensor-Based Monitoring Systems
- » Automation, Robotics and Autonomous Construction Technologies
- » Big Data Analytics, GIS and Decision Support Systems for Smart Cities



Theme-V (Water Resources, Environmental Engineering & Climate Adaptation)

- » Integrated Water Resource Management and Smart Water Systems
- » Wastewater Treatment, Recycling and Resource Recovery Technologies
- » Climate Change Adaptation and Nature-Based Infrastructure Solutions
- » Air, Water and Soil Pollution Monitoring and Mitigation
- » Flood Risk Management, Storm water Systems and Urban Drainage



Theme-VI (Energy-Efficient Buildings, Smart Cities & Rural Development)

- » Net-Zero Energy Buildings and Sustainable Architectural Design
- » Renewable Energy Integration in Urban and Rural Infrastructure
- » Smart Cities, Urban Analytics and Sustainable Urban Governance
- » Rural Infrastructure Development and Sustainable Community Planning
- » Energy Management Systems and Green Building Technologies



Important Dates

Conference Date : 23 rd -24 th October 2026	Paper Acceptance : 18 th October 2026
Last Date of Abstract Submission : 15 th October, 2026	Early Bird Registration : 18 th October 2026

Fee Structure

Delegates	Early Bird	On Spot
Students/ Research Scholars (LPU)	2500 INR	3500 INR
Faculty (LPU)	3500 INR	4500 INR
Student/ Research Scholars (Others)	3000 INR	4000 INR
Faculty (Others)	4000 INR	5000 INR
International Students	75 USD	125 USD
International Faculty	100 USD	150 USD
Industry Personnel	600 USD	650 USD

Submission Guidelines

- Authors are requested to submit original manuscripts to the Paper submission link : <https://cmt3.research.microsoft.com/SETU2026>
- All submissions will be peer reviewed
- For guidelines on preparation of manuscripts kindly click on the link <https://tinyurl.com/2z29ue2e>
- Conference Registration Link : <https://www.lpu.in/conferences/setu/registration-form.php>

Conference Website :
<https://www.lpu.in/conferences/setu/>

Publishing Partner

- All accepted and registered papers, after undergoing a rigorous peer-review process, will be published in Scopus-indexed Conference Proceedings (to be announced).
- Special Issue in **Environmental Science and Pollution Research**, Springer, Scopus Q1 Journal.

Call for Papers : Special Issue on Smart, Sustainable & Emerging Technologies for Climate Resilient Urban Infrastructure - SETU 2026 | Environmental Science & Pollution Research | Springer Nature Link :

<https://link.springer.com/journal/11356/updates/53780012>

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