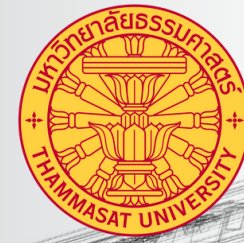




<https://easec18.org>

EASEC-18

The 18th East Asia-Pacific Conference on Structural Engineering and Construction
13-15 November 2024 | Chiang Mai, Thailand



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ABOUT EASEC-18

The **EASEC-18** Conference will be held in the beautiful and cultural-rich city of Chiang Mai, Thailand on November 13-15, 2024. Under the theme "*Construction Engineering for a Responsible Growth and Sustainable Future*", the conference aims to provide forum for professional structural and construction engineers and researchers working in Asia and the Pacific region to present recent progress in research and development, and to discuss the implementation of new tools and technology in professional applications.



CALL FOR ABSTRACTS

Prospective participants are welcome to submit abstracts for initial review in the following topics of interest:

Innovation in Materials Science and Engineering in Construction

- Composite materials and structures
- Advanced and innovative concrete technology
- Novel construction materials
- Carbon reduction, Carbon-neutral, Carbon-negative construction materials

Advancements in Foundation and Geotechnical Engineering

- Numerical methods in geotechnical engineering
- Underground construction
- Soil stabilization and improvement techniques
- Soil-structure interaction
- Innovative solutions for geotechnical engineering construction

Resilient structures and design for natural disasters and extreme events

- Earthquake engineering
- Fire resistance design
- Forensic engineering & case studies

Advanced Construction Techniques, Operations, and Maintenance

- Additive manufacturing (3D printing) & application
- Automation and robotics in construction
- Maintenance, repairs, and strengthening of structures
- Prefabrication and modular construction
- Life-cycle analysis and assessment
- Structural health monitoring

Advancements in Structural Analysis and Design

- Analytical & design methods
- Computational mechanics
- Modelling, simulation and AI
- Wind engineering
- Tall buildings
- Steel structures
- Structural & solid mechanics
- Structural dynamics
- Advanced and complex structures

Smart Infrastructure Systems and Construction Management

- BIM and Digital Twin
- Big data analytics
- Infrastructure systems
- Modern construction management

Transportation Engineering

- Challenges, best practices, and planning in transport projects
- Innovations and technology in transport infrastructure
- Sustainability, resilience, and safety in transportation infrastructure

Green Construction Economy

- Net-zero and green building
- Construction waste management
- Sustainable practices in construction

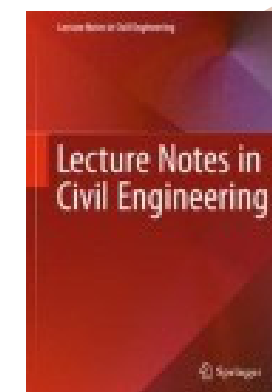
Professional Practices and Education

- Safety and reliability
- Standards and codes of practice
- Innovative pedagogy in civil engineering education

↑ ABSTRACT SUBMISSION

Abstracts can be submitted online via the conference website at:

 <https://easec18.org>



 **Springer**

EASEC-18 Proceedings will be published in Springer's **Lecture Notes in Civil Engineering** Book Series (Scopus Indexed)

📅 IMPORTANT DATES

Abstract submission	Currently open
Full paper submission	Jan 31, 2024
Full paper acceptance	Jun 30, 2024
Early bird registration	Aug 31, 2024
Conference dates	Nov 13-15, 2024

🛠️ ORGANIZED BY

School of Civil Engineering and Technology,
Sirindhorn International Institute of
Technology (SIIT), Thammasat University,
Thailand www.siit.tu.ac.th

For further information, please visit:
<https://easec18.org>

Or contact the EASEC-18 Secretariat at:

✉ easec18@siit.tu.ac.th

 **EASEC-18**
Chiang Mai, Thailand