Net-Zero Future 2027

4th International Conference on Net-Zero Built Environment; Innovations in Materials, Structures and Management Practices

13 - 15 October 2027
Goa, India

The Research Council of Norway

Norwegian Directorate for Higher Education and Skills

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EVENT DETAILS

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The conference brings together academia and industry to exchange knowledge and discuss advances in sustainable materials, structural systems, construction technologies, digital solutions, life-cycle approaches, and strategies supporting the transition toward a net-zero built environment.

The 4th Net-Zero Future Conference continues an international conference series that began in Oslo, Norway, in 2024, followed by Cape Town, South Africa, in 2025, and Darmstadt, Germany, in 2026. In 2027, the conference moves to Goa, India, bringing the Net-Zero Future community together for its fourth edition.

VENUE

Goa, India

Goa, located on India's western coast along the Arabian Sea, provides a distinctive setting for the 4th Net-Zero Future Conference. Known for its coastal landscape, cultural heritage, and international character, Goa combines opportunities for scientific exchange with an engaging environment for networking and international collaboration.

The conference will take place at Taj Cidade de Goa Horizon in Dona Paula, Goa. The venue offers conference and meeting facilities, accommodation, and spaces for networking within the same property, providing a convenient setting for scientific sessions and interaction throughout the conference.

CONFERENCE TOPICS

ZERO/NEGATIVE CARBON FOOTPRINT PREPARATION

- Low-carbon and carbon-neutral materials
- Sustainable alternatives to traditional cement
- Eco-friendly material production techniques
- Use of renewable and recycled materials
- Application of innovative materials in projects

OPTIMAL STRUCTURAL DESIGN

- Lightweight, high-strength structural systems
- Enhanced load capacity and energy-efficient designs
- Advanced modeling and simulation for performance
- Innovative methods to reduce material use and waste

ADVANCED HEALTH MONITORING AND SERVICE LIFE EXTENSION

- Advanced sensing for structural health
- Predictive maintenance with real-time data
- AI and machine learning in condition assessment
- Proactive measures for service life extension

LIFE-CYCLE ANALYSIS AND POLICY

- Life-cycle assessment and life-cycle costing
- Design strategies supporting net-zero targets
- Policy, standards, and implementation pathways for sustainable construction
- Environmental and economic assessment of construction solutions
- Circular economy approaches for the built environment

ROBOTIC AND DIGITAL CONSTRUCTION TECHNOLOGIES

- Robotics and automation in construction
- AI-supported planning and construction
- Digital design and integrated construction workflows
- Robotic and digital fabrication for resource-efficient construction
- Low-emission and electrified construction technologies

KEY DATES

Call for Abstract Submissions Opens	1 November 2026
Deadline for Special Session Proposals	31 December 2026
Abstract Submission Deadline	31 December 2026
Full Paper Submission Deadline	1 March 2027
Net-Zero Future Conference 2026	13 - 15 October 2027

CALL FOR ABSTRACTS

We invite students, researchers, academics, and industry professionals to submit abstracts to the 4th Net-Zero Future Conference 2027 in Goa, India.

Contributions addressing innovative research, practical applications, case studies, and emerging solutions for reducing the environmental impact of the built environment are welcome.

For submission guidelines, important dates, and further information, visit www.netzfuture.com

SUBMISSION OPTIONS

Option 1: Abstract Only (with oral presentation)
For contributors who wish to present their work without submitting a full paper.

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