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PRESS-RELEASE

IIT (ISM) Dhanbad Hosts International Conference on Smart, Resilient, and Sustainable Infrastructure (SRISTI)

The Indian Institute of Technology (Indian School of Mines), Dhanbad, commenced a prestigious two-day international conference on Smart, Resilient, and Sustainable Infrastructure (SRISTI) today. The event has brought together over 150 civil engineering experts from across India and abroad to discuss and deliberate on key issues concerning the field of infrastructure development. The conference, organized by the Department of Civil Engineering in collaboration with the American Society of Civil Engineers (ASCE) on January 24 and 25, aims to explore innovative approaches and cutting-edge solutions for advancing sustainable and resilient infrastructure.

The inaugural session, held at the Executive Development Centre of IIT (ISM), was graced by Prof. Sukumar Mishra, Director, IIT (ISM), as the chief guest. Distinguished attendees included Prof. Dheeraj Kumar, Deputy Director, IIT (ISM), and Dilip Kumar Dhar, Secretary, ASCE (Eastern Region). The event commenced with a welcome address by Prof. Piyali Sengupta, Convener of the conference, and concluded with a vote of thanks delivered by Prof. Rajib Sarkar. In his inaugural address, Prof. Sukumar Mishra emphasized the dual importance of mechanical and societal aspects in infrastructure development. He highlighted the need to prioritize energy efficiency in building designs to align with sustainable development goals. Prof. Dheeraj Kumar underscored the urgency of adopting zero-waste and zero-discharge building practices to create climate-resilient infrastructure.

Dilip Kumar Dhar provided an overview of ASCE's rich history and contributions to the civil engineering profession since its inception in 1852. He elaborated on ASCE's mission to foster leadership, advance technology, and promote lifelong learning within the engineering community.

Key Highlights of SRISTI 2025

The conference will feature keynote addresses by 28 eminent experts from academia and industry, including:

- Prof. Fernando Ortiz Quintana from ETH Zurich, Switzerland, and Equi Bridges Limited
- Prof. Li Bing from Nanyang Technological University, Singapore
- Prof. Anupam Chakrabarti from IIT Roorkee

Over 100 technical papers will be presented during the conference, encompassing five broad themes:

1. Construction Practices and Construction Materials
2. Tall Buildings and Special Structures
3. Disaster-Resilient Infrastructure
4. Smart and Intelligent Infrastructure
5. Computational Mechanics, Risk, and Reliability

Technical Sessions and Sub-Themes The conference will also host deliberations on various sub-themes, including:

- Sustainable Construction Materials, Special Concrete, and Composite Structures
- Heritage and Tall Buildings, Highway and Railway Bridges
- Hydraulic Structures, Offshore Structures, and Underground Space Technology
- Transportation Planning, Intelligent Transportation Systems, and Urban Planning for Smart Cities
- Water Resources Management, Wastewater Treatment, Air and Water Quality Management
- Application of Artificial Intelligence in Civil Engineering

Global Perspectives and Collaborative Opportunities The event provides a platform for experts to exchange ideas, share research findings, and explore collaborative opportunities. With participation from leading institutions and organizations, SRISTI 2025 is set to contribute significantly to the advancement of resilient and sustainable infrastructure systems.

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