



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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PRESS-RELEASE

IIT (ISM) Dhanbad Hosts IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE)

Researchers, engineers, and industry professionals from across the country and abroad convened at the prestigious Indian Institute of Technology (Indian School of Mines), Dhanbad, for the inaugural IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE). The three-day conference, organized by the Department of Electrical Engineering, commenced with insightful discussions on various issues concerning power systems, smart grids, power electronics, and their applications.

As the first-of-its-kind event under the banner of the Institute of Electrical and Electronics Engineers (IEEE), the world's largest professional organization dedicated to advancing technology for humanity's benefit, the conference aimed to create a platform for academia, industry, and government agencies to collaborate on the latest innovations in power generation, transmission, and distribution.

The conference focused on emerging technologies, including renewable energy integration, power electronics, automation, transportation electrification, smart grid technologies, resilient monitoring, and intelligent systems. Participants engaged in discussions to exchange ideas, share insights, and foster collaborations in cutting-edge research.

Inaugural Session Highlights

The conference was inaugurated at the Golden Jubilee Lecture Theatre (GJLT) of IIT (ISM) Dhanbad. Shri Rakesh Ranjan, Additional Secretary of Damodar Valley Corporation (DVC), attended as the Chief Guest. He encouraged researchers to explore new areas of study, sharing insights from his international experiences where India's advancements in software technology and UPI payment interfaces were highly praised.

Prof. S.C. Srivastava, Director of IIT Kanpur- La Trobe University Research Academy, emphasized the necessity of smart and sustainable practices, not just as a trend but as a crucial necessity in the face of climate change caused by industrialization. He urged researchers to collaborate to achieve sustainability goals in power systems, advocating for the demonstration and deployment of R&D initiatives.

Guest of Honour, Prof. Biplab Sikdar from the National University of Singapore, expressed his enthusiasm for the conference, stating, "We hope that this first international conference serves as a platform for exchanging ideas across a wide spectrum of topics."

Prof. Akshay Rathore, Program Leader (Electrical Power Engineering) at the Singapore Institute of Technology, stressed the shared responsibility of ensuring smart and sustainable developments in electrical engineering. "As humans, we have taken a lot from nature. It is now our responsibility to drive sustainable development through renewable energy and practical implementation of research," he remarked.

Commitment to Research and Development

IIT (ISM) Director, Prof. Sukumar Mishra, welcomed the participants, urging them to maximize their engagement in conference discussions and assured institutional support in advancing the Department of Electrical Engineering toward smart and sustainable development goals.

Prof. Sukanta Das, Head of the Department of Electrical Engineering, provided an overview of the department's history, while Prof. Gauri Shankar concluded the session with a vote of thanks.

The conference sets the stage for impactful discussions and collaborations that will drive innovation and sustainability in electrical engineering for years to come.

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