

PEEIC-2024 (24-28, Dec. 2024),

Technically Co-sponsored by IEEE U.P. Section India

Conference Report

The 4th International Conference on Power Energy Environment and Intelligent Control was held from December 24 to 28, 2024. This five-day event brought together academics, researchers, and industry professionals to discuss the latest advancements and trends in power systems, energy, environment, and intelligent control. Approximately 60 industry experts attended the conference, sharing their knowledge and experiences, and emphasizing the importance of collaboration between industry and academia to bridge the existing gap.

Inauguration Session

The conference was inaugurated by Chief Guest Prof. S.N. Singh, who highlighted the significance of the conference and its theme. Prof. Singh's speech underscored the critical role of such events in advancing research and fostering collaboration between different stakeholders in the field. Other guests also appreciated the value of the conference and its contributions to the domain.





Paper Presentations

A total of 1,149 papers were submitted to the conference, out of which 361 were selected and presented across seven tracks:

- **Track 1: Power & Energy**
- **Track 2: Power Electronics & Devices**
- **Track 3: Communication Systems**
- **Track 4: Computing & Processing**

- Track 5: Environment & Industry
- Track 6: Power System and Control
- Track 7: Renewable Energy





These tracks covered a wide range of topics, reflecting the diverse interests and expertise of the participants. The presentations were well-received and sparked engaging discussions and exchanges of ideas.

Industry Participation and Keynote sessions

One of the highlights of the conference was the participation of industry professionals. About 60 industry experts attended the conference, providing valuable insights and practical perspectives on the topics discussed. They suggested that future conferences should involve more industry experts and inform authors and researchers about the opportunity to interact with these professionals. This approach can significantly help in bridging the gap between academia and industry, ensuring that research is aligned with real-world applications and needs.



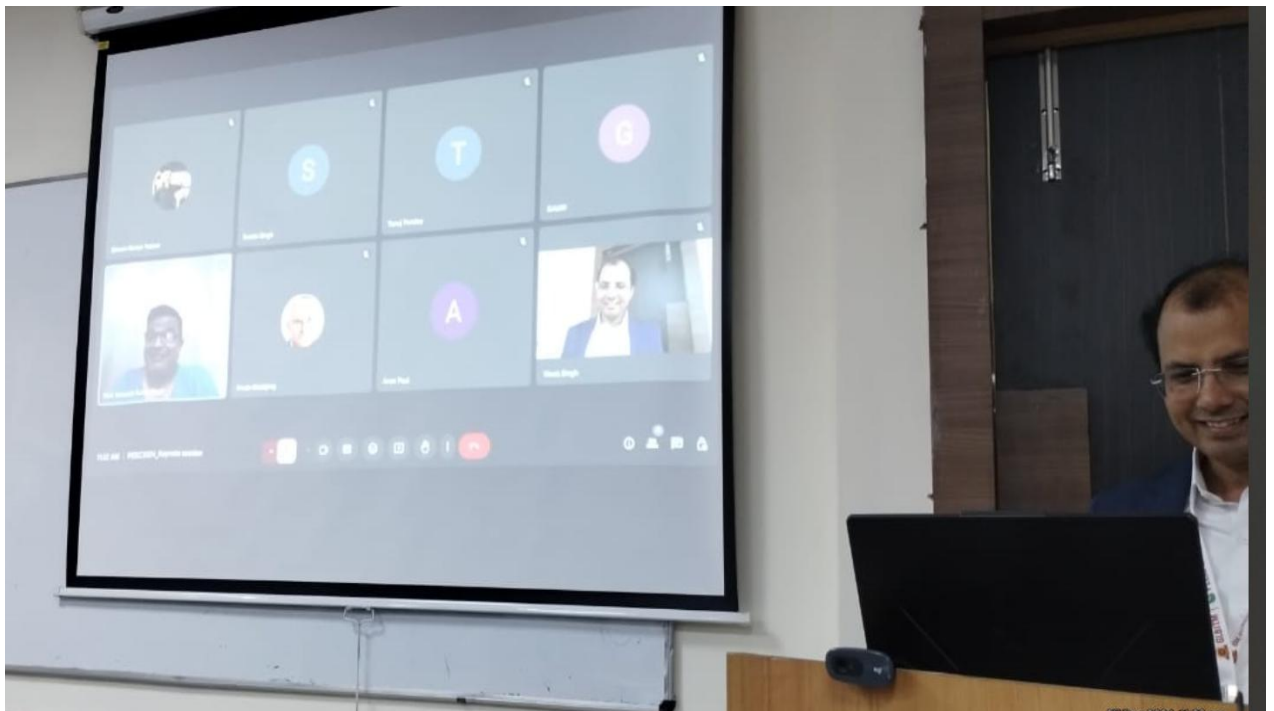


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Day-1 24th Dec. 2024: Inauguration: 10:00 - 11:30, Break-out Session: 11:30 - 12:30 Lunch: 12:30 - 13:30 Technical Session: 14:00 - 17:00				
Date	Events	Time	Venue	Anchor
24th Dec.2024	A Keynote Talks by distinguished Guest of the conference	10:30 - 11:30	SBG Hall, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Hall Manager- Prof. Priyanka Datta- 9810662263
	Tree Plantation Drive: Participant's Contribution to Environment	11:30 - 12:30	G.L. Bajaj Campus	NA
Day-2 25th Dec. 2024: Happiness Session: 09:05 - 10:10 Plenary Talk: 10:15 - 12:30 Lunch: 12:30 - 13:30 Technical Session: 14:00 - 17:00				
Date	Events	Time	Venue	Anchor
25th Dec.2024	A Session on Life management: a key to happiness (7-11 of 1440) by Dr. Jay Singh - Conference Chair PEEIC 2024	09:05 - 10:10	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A Session on "Opportunities of low power memory devices for neuromorphic application " by Dr.Alok Kanjilal, Professor School of	10:15 - 11:05	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236

	Natural sciences Shiv Nadar University, India			
	A session on Cloud Architecture in Industries by Sh. Anbarasu Aladiyan Lead Software Engineer, Compunnel Inc. USA	11:10 - 11:40	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A session on AI advancements in Power Energy Environment & Intelligent Control with emphasis on the smart grid by Prof. Dimitrios A. Karras, National and Kapodistrian University of Athens, Greece	11:45 - 12:30	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
Day-3 26th Dec. 2024: Plenary Talks: 09:45 - 12:30 Lunch: 12:30 - 13:30 Technical Session: 14:00 - 17:00				
26th Dec. 2024	A session on "Women empowerment" by Prof. A. Ambika Pathy, Prof. & Head ECE ITS Engineering College Gr. Noida, India	09:45 - 10:20	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A session on "Women in Power & Women in Engineering" by Dr. Harivardhagini Subhadra, CVR College of Engineering, Hyderabad, India	10:25 - 11:10	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A Session on IEEE SIGHT by Mr. Sourabh Ghosh, MNNITA Prayagraj, India	11:15 - 11:50	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A Session on "Electronics Devices" by Sh. Arun Kumar Paul, FNAE, SM IEEE. Technical Director, Electronics Devices worldwide Pvt Ltd., Mumbai.	11:50 - 12:30	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
Day-4 27th Dec. 2024: Plenary Talks: 09:45 - 12:30 Lunch: 13:00 - 14:00 Technical Session: 14:00 - 17:00				
27th Dec. 2024	A Session on "HIL Testbed for DER-integrated-MMC for Extreme Fast Charger" by Dr. Ankit Research Associate, Cyber Physical Security lab of Iowa state university, Ames, USA	09:30 - 10:10	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236

	A session on "IEEE Awareness and its benefits" by Dr. Asheesh Kumar Singh, Professor, Dept of EE, MNNITA Prayagraj, India	10:15 - 10:45	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A Session on "Challenges of Renewable Energy Integration in Clean Energy Systems" by Prof. Frede Blaabjerg, Director - Doctoral School of AAU. Aalborg University, Denmark	10:50 - 11:30	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A Session on Driving the Future of Electric Vehicles by Dr SS Chauhan, Director - BBDITM Lucknow, India	11:30 - 12:00	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
	A Session on Communications and Mobile Computing by Prof. Giovanni Pau, Kore University of Enna, Italy	12:00 - 12:30	Room No. 804, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Anchor: Mr. Vivek Singh +91 9315723236
Day-5 28th Dec. 2024: Technical Session: 08:30 - 11:30 Planery Talk: 11:40 - 12:30 Lunch: 13:00 - 14:00 Break out Session: 14:00 - 14:30 Valedictory: 14:30 - 15:30				
28th Dec. 2024	A session on "Wind Power – A technology enabled by power electronics" by Dr. Asheesh Kumar Singh, Professor, Dept of EE, MNNITA Prayagraj, India	11:40 - 12:30	SBG Hall, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Hall Incharge- Prof. Priyanka Datta- 9810662263
	Tree Plantation: a session of Participant's Contribution to Environment	14:00 - 14:30	G.L. Bajaj Campus	Delegates
	Valedictory Ceremony and Keynote Talks by distinguished Guest of the conference	14:30 - 15:30	SBG Hall, AB-II, Link to join (for online): https://meet.google.com/mwj-reek-dae	Hall Incharge- Prof. Priyanka Datta- 9810662263





Valedictory Session

The valedictory session was graced by Chief Guest Prof. Perna Gaur, who provided an insightful summary of the conference proceedings and the importance of conducting IEEE conferences. Prof. Gaur elaborated on the successful execution of the event and the high quality of the presentations and discussions.



Conclusion

The 4th International Conference on Power Energy Environment and Intelligent Control was a resounding success, fostering collaboration and knowledge sharing among academia and industry. The suggestions to involve more industry experts in future conferences and to inform participants about the opportunity to engage with these experts were well-received. This conference has set a

high standard for future events and has made significant strides in bridging the gap between industry and academia.

The conference's success is a testament to the hard work and dedication of the organizers, participants, and attendees. We look forward to the next edition of this conference and the continued advancement of research and collaboration in the field of power energy, environment, and intelligent control.

Prepared by

Dr. Jay Singh (Chair-PEEIC 2024)

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