



1<sup>st</sup> International Conference on

# Trends in Chemical, Energy and Environmental Engineering

ChemEEE - 2024



19 - 21 February, 2024



Indian Institute of Petroleum and Energy  
Visakhapatnam

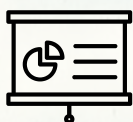


<https://iipe.ac.in/chemeee>



19 - 21 February, 2024

## Events



Paper presentations

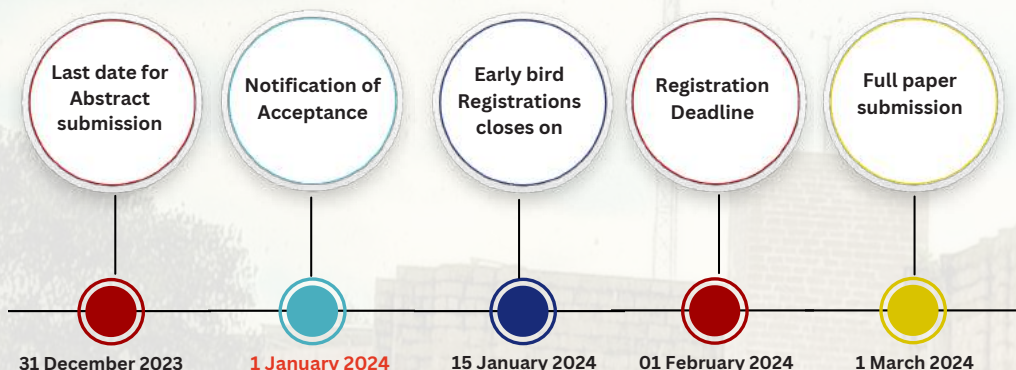


Networking and branding



Product and Start-up  
Exhibition

## Important dates



## Highlights

- Best Paper Award will be announced for each session.
- Selected full papers will be considered for publishing in **Chemical Product and Process Modeling/ Environmental Science and Pollution Research/ Biomass Conversion and Biorefinery** after peer review.

## Thematic areas

ChemEEE welcomes research papers on the following topics but not limited to:

- Process safety
- Carbon Capture, Utilization, Sequestration
- Composite Materials
- Environmental Biotechnology and Biochemical Engineering
- Environmental Pollution Control
- Green Technology
- Instrumentation and Process Control
- Molecular Dynamic Simulations
- Nanomaterials Synthesis & Characterization
- Petroleum Refinery and Petrochemicals
- Pharmaceutical Engineering
- Process and Product Development
- Process Intensification
- Process Modelling, Simulation & Optimization
- Reaction Engineering and Catalysis
- Renewable Energy Resources
- Transport Processes
- Waste Management

## Abstract Submission

Authors are requested to submit their abstract in the given format through the link:

<https://cmt3.research.microsoft.com/ChemEEE2024/Submission/Manage>

Organized by

Department of Chemical Engineering

Indian Institute of Petroleum and Energy (IIPE), Visakhapatnam, INDIA



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## Welcome to ChemEEE -2024

This conference is the first in series of International Conference on Trends in **Chemical**, **Energy** and **Environmental Engineering**.

Sustainability is the key mantra for equitable growth for very long periods of time. Sustainability is all pervasive, and finds its place in chemical processing, energy harnessing, mineral exploration, material development and all related technologies. Product and process development, simulation and modelling have added new dimensions to research in these fields. Responsibility of ensuring that the advancements are environmentally benign, while improving the health and wellbeing of all citizens is on academicians, scientists and industry professionals.

In this context, an international conference on chemical, energy and environmental engineering is planned to provide a platform for comprehensive dissemination of knowledge and exchange of ideas in related fields among the academicians, scientists and industry professionals.

## Proceedings

- All the abstracts accepted after peer review from registered participants will be published in the conference proceedings.
- Selected full papers will be considered for publishing in Chemical Product and Process Modeling after peer review.
- Efforts are on for publishing selected papers presented at ChemEEE-2024 as special issues in other peer reviewed SCI/SCIE journals also.

## International Advisory Committee

- Prof. ChangKyoo Yoo, Environmental Science & Environmental Engineering, Kyung Hee University
- Prof. K. K. Pant, Department of Chemical Engineering, IIT Roorkee
- Prof. Aldo Steinfeld, Department of Mechanical and Process, Engineering, ETH Zürich
- Prof. Ravindra D Gudi, Department of Chemical Engineering, IIT Bombay
- Prof. Zoltan Nagy, Davidson School of Chemical Engineering, Purdue University
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- Prof. Ramon Vilanova Arbos, Department of Telecommunications & Systems Engineering., University of Barcelona
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## Keynote speakers



**Prof. Venkat  
Venkatasubramanian**  
Department of Chemical Engineering  
Columbia University, USA



**Dr. Madhukar Garg**  
**President**  
R&D Refining and Petrochemicals  
Reliance Industries Limited



**Prof. Ravindra D Gudi**  
Department of Chemical Engineering  
IIT Bombay



**Prof. Ramesh Goel**  
Department of Civil & Environmental  
Engineering, University of Utah, USA

## Expert Speakers



**Dr. Vijaysai Prasad**  
Head of Water Technology Center - R&D  
Digital & Knowledge Hub, L&T, Chennai



**Prof. Tanmay Basak**  
Department of Chemical Engineering  
IIT Madras



**Dr. N. Siva Mohan Reddy**  
Associate Professor  
Department of Chemical Engineering  
IIT Roorke



**Dr. Resmi Suresh**  
Data scientist - Process Data Modelling,  
Chemometrics and Digital Chemistry  
Shell



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## Organizing Committee

### Patron

Prof. Shalivahan  
Director, Indian Institute of Petroleum and Energy, Visakhapatnam

### Chair

Dr. P. Venkata Reddy  
HOD, Department of Chemical Engineering, IIPE

### Co-chair

Prof. A. Seshagiri Rao  
Professor, Department of Chemical Engineering, IIPE

### Convener

Dr. T. Hemanth Kumar

### Co-conveners

Dr. Raka Mondal  
Dr. P Sridhar

Dr. M Ravi Kiran  
Dr. Dipankar Pal

## Local organising committee

Dr. K V Krishna Sri  
Dr. Ravi Kumar Sonwani  
Dr. Balla Mounika

## Contact us

**CHEMEEE-2024**

Department of Chemical Engineering  
Indian Institute of Petroleum and Energy  
Visakhapatnam-530 003, Andhra Pradesh, India

E-mail: [chemeee2024@iipe.ac.in](mailto:chemeee2024@iipe.ac.in)



### Registration

Please note that at least one author should register per accepted paper. Conference registration fee includes kit, proceedings and admission to all technical sessions, lunch, conference dinner, tea/coffee and snacks. It does not include accommodation. Accommodation details, list of nearby Hotels and their tariff will be updated on the conference website. The registration fee details are given below.

Category	Early bird registration		Regular registration	
	Indian (INR)	Others (USD)	Indian (INR)	Others (USD)
Academia and R&D Labs/centers	2500	200	3000	250
Industry delegates	8000	300	10000	350
UG/PG and research scholars	1500	100	2000	150
Accompanying/ non-presenting participants	1500	100	2000	150

### Sponsorship Category

Category	INR	Foreign (USD)	Others
Platinum	500000	10000	5 Registrations + 2 stalls free
Gold	250000	5000	2 Registrations + 2 stalls free
Silver	100000	2500	2 Registrations