

20th Annual Session of
Students' Chemical Engineering Congress



SCHEMCON 2024

on

New Paradigms of Chemical Engineering

(20th – 21st September 2024)

Organized by

IIChE-RGIPT Student Chapter

**Department of Chemical and Biochemical Engineering
Rajiv Gandhi Institute of Petroleum Technology**

in association with

**Indian Institute of Chemical Engineers
Amethi Regional Centre**

Sponsored by



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Introduction

SCHEMCON 2024: Students' Chemical Engineering Congress (SCHEMCON) is an annual event organized by the Institutes having Student Chapter (SC) of the Indian Institute of Chemical Engineers (IChE) under one of its Regional Centers (RC). It serves as a premier platform for Chemical Engineering students, offering opportunities to explore, learn, and gain insights into the ever-expanding realm of chemical engineering. SCHEMCON-2024 marks the 20th annual session and is jointly organized by IChE RGIPT Student Chapter, the Department of Chemical and Biochemical Engineering at Rajiv Gandhi Institute of Petroleum Technology, Jais (RGIPT) and the Amethi Regional Center of IChE.

Organizing Institute

Rajiv Gandhi Institute of Petroleum Technology: The Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, Uttar Pradesh was established by the Ministry of Petroleum and Natural Gas (MoPNG), Government of India by an Act of the Parliament in 2007. The institute is accorded with the status of an Institution of National Importance and its NIRF ranking in 2024 is 80th in engineering category. The institute is co-promoted as an energy domain specific institute by six leading oil public sector units (ONGC, IOCL, OIL, GAIL, BPCL, and HPCL) in association with the OIIB. The institute is associated with the leading International Universities/ Institutions specializing in the domain of petroleum, petrochemicals, and energy sectors. There are 7 departments and 2 centers offering 13 UG and 6 PG programs and doctoral programs in STEM. The **Department of Chemical and Biochemical Engineering (CBE)** at RGIPT aims to train and produce experts with strong technical background and social commitment to meet the energy demand of the nation. The Department, offers BTech degree in Chemical Engineering along with specialization in Renewable Energy Engineering, and Polymer and Petrochemical Engineering programs as well as MTech and PhD degrees.

How To Reach: RGIPT is located on RaeBareilly-Sultanpur highway (NH128), nearly 25 km east of RaeBareilly and 110 km away from its nearest airport at Lucknow. It can also be reached by train. Nearby railway stations are Jais/ Kasimpur/ Amethi/ RaeBareilly.

Theme

The cornerstone of chemical engineering has always been innovation - the relentless pursuit of novel solutions to address societal needs while minimizing environmental impact for sustainable development. Today, however, this pursuit is taking us into uncharted territories, where traditional boundaries are blurred, and interdisciplinary collaboration is paramount. As we convene at SCHEMCON-2024, we embark on a journey of exploration towards embracing the dawn of a new era in the field of chemical engineering, where we delve into the frontiers of science, technology, and sustainability to pave the way for a brighter tomorrow. The theme for this year's conference, "**New Paradigms of Chemical Engineering**" encapsulates the essence of this transformative era and resonates deeply with the dynamic landscape of chemical engineering, which is constantly evolving in response to emerging challenges and opportunities.

M.P. Chary Award

IChE has also been felicitating **M.P. Chary Award** annually to an outstanding Chemical Engineer below 35 years of age or pursuing PhD or completed PhD in last year. The candidate will be required to make a presentation on their research work or their view on selected topic. The award carries M.P. Chary Medal and a prize money of Rs. 10,000/-. The template for the same is provided on the website.

IChE-RGIPT-SC

It aims to provide the students with an opportunity to enrich their knowledge, inculcating the sense of responsibility and enhancing their potential. IChE-RGIPT-SC organizes seminars, guest lectures, and analytical quizzes among many other events enabling the attendees to have an overall growth.

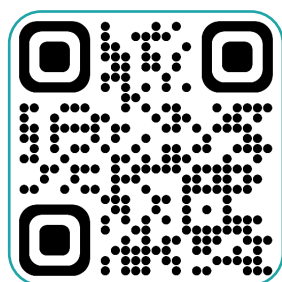
IChE-Amethi Regional Centre

IChE-ARC was established in the December 2021 at RGIPT, Jais. The centre is committed to promoting Chemical Engineering activities in the region.

Organizing committee cordially invites aspiring students to submit technical papers and posters to participate in the SCHEMCON 2024.

For more details, submit abstracts, and registration visit:

<https://schemcon2024.com>



Important Dates

Last date of abstract submission	31 st August 2024
Abstract acceptance confirmation	30 th July 2024
Registration starts	30 th July 2024
Last date of registration	15 th September 2024
Last date of M.P. Chary award abstract submission	31 st August 2024

Technical Sessions

The congress will comprise of a series of plenary lectures, invited talks, technical presentations, and poster sessions in the following fields:

- 🔥 Energy Transition and Renewable Energy Technology
- 🔥 Hydrogen Energy Technology: Harnessing the Power of Hydrogen
- 🔥 Bio-Based Energy Innovations: Bioenergy and Biofuels
- 🔥 Waste to Energy Conversion for Greener Future
- 🔥 Energy Storage Solutions: Beyond the Batteries
- 🔥 Advances in Material Science and Engineering
- 🔥 Process Modelling, Simulation and Optimization
- 🔥 Electrochemical Systems and Processes: Towards Zero-Emission Solutions
- 🔥 Smart Chemical Engineering: Application of IOT, Data Analytics and AI/ML
- 🔥 Polymers and Petrochemicals
- 🔥 Green Separation and Purification Technologies
- 🔥 Chemical Engineering in Healthcare
- 🔥 Rethinking Conventional Energy: Advancements in Conventional Fuels and Chemicals
- 🔥 Sustainable Practices in Agriculture, Environment, and Pollution control
- 🔥 Safety, Hazard, and Sustainable Practices in Chemical Engineering
- 🔥 Green Technologies for Net Zero Discharge and Water Resources Management

Registration Fees

Participant Category	IICHe Member	Non-IICHe Member
UG Students	INR 300	INR 400
Student/ Research Scholars	INR 600	INR 800
Scientist /Faculty from Academic/ Research Institutions	INR 2000	INR 2500
Personnel from Industrial/ Professional Bodies	INR 5000	INR 6000
Accompanying person	-----	INR 1500
Overseas Delegates	\$175	\$250

The registration fee can be remitted in the following account:

Account Name: IICHE-SCHEMCON-2024, Account Number: 42664221525

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Wide circulation Benefits

- Recognition of sponsorship in every poster
- Company Profile video/slides will be displayed during the event
- Banner and Boards with logo and name in the Institute's premises
- Logo/Link on the homepage of the event website
- Logo and acknowledgement in the program invitations

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 Account Number: 42664221525
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