



FIRST ANNOUNCEMENT

20th Annual Session of Students' Chemical Engineering Congress (SCHEMCON-2024)

On

“New Paradigms of Chemical Engineering”

(September 20th – 21st, 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**

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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.

Theme of SCHEMCON 2024: 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 for 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 his/her research work or his/her 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 IChE website.

Venue

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 was accorded with the status of an Institution of National Importance and its NIRF ranking in 2023 is 79th 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 OI DB. 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.

Department of Chemical and Biochemical Engineering: The Department of Chemical and Biochemical Engineering (CBE) is one of the seven departments of RGIPT. It 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 programs. It is one of the unique departments in the country, manages activities, facilities, and curricula related to those of chemical engineering fields supporting oil and gas sector in particular and energy sector in general, and enjoys a direct and synergistic interface with the industries in these sectors.

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.

Technical Sessions

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

- Renewable Energy Technology
- Hydrogen Energy Technology
- Bioenergy and Biofuels
- Waste to Energy
- Energy Storage Systems
- Advances in Material Science and Engineering
- Process Modelling, Simulation and Optimization
- Electrochemical Systems and Process
- Application of IOT, Data Analytics and AI/ML in Chemical Engineering Sector
- Polymers and Petrochemicals
- Separation and Purification Technologies
- Chemical Engineering in Healthcare
- Advancements in Conventional Fuels and Chemicals

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: <http://rgipt.ac.in>

Important Dates

Last date of abstract submission	05 th June 2024
Abstract acceptance confirmation	15 th July 2024
Registration starts	15 th July 2024
Last date of registration	15 th September 2024
Last date of M.P. Chary award abstract submission	15 th July 2024

Registration Fees

Participant Category	IICHe Member	Non-IICHe Member
UG Students	300	400
Student/ Research Scholars	600	800
Scientist /Faculty from Academic Institutions	2000	2500
Industrial/ Research Institutions/ Professional Bodies	3000	3500
Accompanying person	-----	1500
Overseas Delegates	\$175	\$250

Remit the fee at the following account:

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

Bank Name: State Bank of India, **Branch:** Jais, **IFSC Code:** SBIN0004042.

National Organizing Committee

- Prof. A.S.K. Sinha, Director, Rajiv Gandhi Institute of Petroleum Technology (Chairman, NOC)
- IChE Office Bearers
 - ❖ Mr. Thakar Sunil Indulal, Kutch Chemical Industries Ltd
 - ❖ Prof. Anil Kumar Saroha, IIT Delhi
 - ❖ Mr. Shashikant Pokale, Precitech Laboratories Pvt Ltd.
 - ❖ Smt. Sheela, Vice-President, IChE
 - ❖ Prof. Sunil Baran Kuila, Haldia Institute of Technology
 - ❖ Prof. Anil Verma, IIT Delhi

Local Organizing Committee

Chairman:

Dr. Milan Kumar

Vice-Chairman:

Dr. Rakesh Kumar and Mr. Rajendra Sankhe, COO, Indorama, Jagdishpur

Organizing Secretary:

Dr. Karan Malik

Joint Organizing Secretaries:

Dr. Shweta and Dr. Deepak Dwivedi

Treasurer:

Dr. Gunjan Kumar Agrahari

Members:

Prof. Amit Ranjan Dr. Koushik Guha Biswas
Dr. Vivek Kumar Dr. Venkata Subbarayudu Sistla
Dr. Arvind Singh

Student Coordinators

Mr. Arjun Krishna, Secretary
Mr. Ankit Gupta, Joint Secretary
Ms. Narayanasetti Bhavani, Joint Secretary
Mr. Prateek Gangal, Joint Secretary