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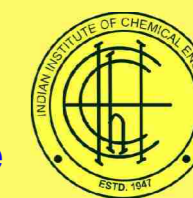


SCHEMCON – 2017

October 7-8, 2017



Organized by
IChE Students Chapter
Rourkela Regional Centre
&



Department of Chemical Engineering,
National Institute of Technology Rourkela



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SCHEMCON-2017

SCHEMCON, Students' Chemical Engineering Congress, is an annual event organized by the Students' Chapter of Indian Institute of Chemical Engineers (IChE) under one of its Regional Centers. It provides a platform for the Chemical Engineering Students to interact, learn and gain exposure to the expanding arena of Chemical Engineering. SCHEMCON-2017 is the 13th Annual Session of this mega event. It is being organized jointly by the IChE Students' Chapter at the Department of Chemical Engineering, National Institute of Technology Rourkela and the IChE Rourkela Regional Centre (IChE RRC), Odisha.

THEME

The century old discipline Chemical Engineering has rejuvenated itself and remained as the broadest field of engineering. It is still afresh as a discipline because of its interdisciplinary approach and flexibility in accommodating emerging ideas and practices of science and technology. Chemical engineering essentially deals with synthesis and development, scale-up, design and development of plants for manufacturing wide range of products those are inevitable for our existence. This very century has posed a challenge before us; the challenge of sustaining with the ever reducing resources of the populated planet, which has been exaggerated with huge change in climate. With great humility we have accepted the challenge - process intensification, process optimization, process modeling, simulation, monitoring and control have become fresher limbs of chemical engineering. Usage of powerful simulators have accelerated the possibility of exercising and achieving the most effective engineering solution. The bliss and lineage of a very ancient discipline of science; the statistics have been utilized by the chemical engineers in the name of chemometrics worldwide in accomplishing maximum production in a conducive and benign way. Nanoscience and materials after biological sciences is expected to transfigure and revitalize the chemical engineering as a discipline shortly. Recycling the waste and waste minimization are the two significant concepts in the current time of limited resources and deteriorating ambiance due to waste disposal in non-planned and non-scientific way. Most innovative solutions are desirable in this regard. Present conference encourages the participation not limited to the theme, nonetheless in areas related to Chemical reaction, transport, energy and environmental engineering.

ORGANIZING INSTITUTE

National Institute of Technology, Rourkela is a premier institution of India for higher technical education, basic and applied research. Presently, NIT Rourkela is recognized as institute of national importance with its enriched faculty and students. The institute has twenty two departments and nine

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multidisciplinary centres that offer UG, PG and research courses leading to B.Tech, M.Tech., PhD and D.Sc. Degrees. The institute is stretched over 647 acres with a lush green carpet and surrounded by the lineage of Vindhya and Satpura mountain range.

CHEMICAL ENGINEERING DEPARTMENT

From a modest beginning in July, 1963, the department of Chemical Engineering at NIT Rourkela has completed 51 years of its glorious journey. Over these years, this department has been nurturing and shaping the young and creative minds at various levels (graduate, post-graduate and Ph.D) into most effective human resources, the country can boast of. This journey has been phenomenal with the priceless contributions of some of the best teachers, state-of-the art infrastructural facility, and an excellent academic atmosphere. The Department has been active in organizing national seminars, workshops, symposia, short term courses and winter and summer schools to provide platforms for exchanging ideas, facilitating interaction among the peer academicians and the professionals from various universities, industry and R&D organizations.

IChE Rourkela Regional Centre

Since its inception, IChE Rourkela Regional Centre (IChE RRC), is very active. The RRC is regularly conducting various events like training sessions, workshops, seminars, conferences etc. for the benefit of the Indian industries and the academia.

LOCATION

Rourkela is a city located in the northern border of the Indian state of Odisha. It is situated about 340 kilometres (211 mi) north of state capital Bhubaneswar, and is surrounded by a range of hills and encircled by rivers. The city is also popularly known as *Ispat Nagar* and also as the *Steel City of Odisha*. The climate here is pleasant in October with a average temperature of 20°C to 30°C. Rourkela is one of the well-developed steel township of Kolkata-Mumbai main line of South-Eastern Railway. The nearest airports are Kolkata, Bhubaneswar and Ranchi. The city has been declared as a smart city under Government of India's SMART City Mission.

EVENTS

Invited Lectures, Paper and Poster Presentations, Technical Quiz.

M. P. CHARY AWARD

The awardee has to be an outstanding young chemical engineer below 35 years of age, doing PhD or completed PhD in last year who will be required to make a presentation on his research work. The award carries M. P. Chary Medal and a prize money of Rs 10,000/-.

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Call for Papers on TOPICS

- Transport Phenomena
- Modelling, Simulation and Optimization
- Process Development & Design
- Novel Reactors and Catalysis
- Process Control & Instrumentation
- Nano Technology and Smart Materials
- Membrane Science Technology
- Polymers & Rheology
- Bio Chemical and Bio Process Engineering
- Food Process Engineering and Technology
- Colloids and Interfaces
- Energy and Environmental Engineering
- Process Intensification
- Green Engineering & Technology
- Industrial Safety & Hazard Management
- Advanced Separation Techniques
- Waste minimization, Treatment and Recycle



Any other topics related to Chemical, Energy and Environmental Engineering

REGISTRATION FEE*

Indian Delegates	IChE Member [#]	Non-member
Student (UG/PG)	Rs 700/-	Rs. 900/-
Research Scholar	Rs. 1000/-	Rs. 1500/-
Industrial Personnel	Rs. 2000/-	Rs. 3000/-
Academia	Rs. 1500	Rs. 2000/-
Accompanying Person	Rs. 600/-	Rs. 800/-
Overseas Delegates	\$150	

* As per the Govt. Rule, Registration fee to be paid along with 15% Service tax during registration. Registration Fee covers registration kit, souvenir, lunch and dinner and participation certificate

[#]Please send photocopy of IChE membership certificate/ identity card to avail membership benefit.

Payment Mode: DD in favour of "SCHEMCON IChE-2017" payable at Rourkela or online through RTGS/NEFT/Direct Remittance to A/C No. - 36323149948, IFSC – SBIN0002109

IMPORTANT DATES

Submission of abstracts*: 31st July 2017
Intimation of acceptance: 10th August 2017
Full Paper* Submission: 31st August 2017
Last date of registration: 31st August 2017

***For details & updates check the SCHEMCON-2017 website**

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