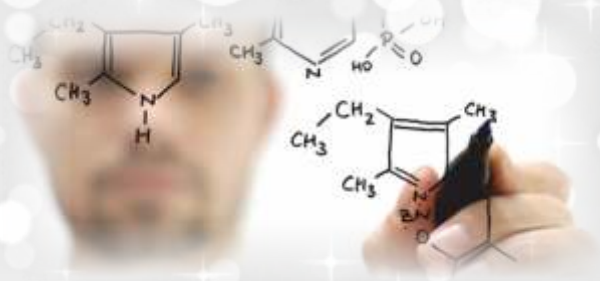


The Institution of Engineers (India)

*"97 Years of Relentless Journey towards
Engineering Advancement for Nation-building"*



International Conference
(Part of Centenary Celebration)

on

"Paradigm shift in Chemical engineering education, processes and technology"

September 16-17, 2017, Ahmedabad



Organised by



The Institution of Engineers (India)

GUJARAT STATE CENTRE

Under the aegis of Chemical Engineering Division, IEI

In collaboration with



**Gujarat Narmada Valley
Fertilizers & Chemicals Ltd.**

In association with



**Committee on Information and
Communication Technology (ICT)**



**Federation of Engineering Institution
of South Central Asia (FEISCA)**

Venue

**Bhaikaka Bhavan, Law College Road,
Ahmedabad -380006, Ph. 079-26400811 Fax. 079-26561825
Email: gujaratssc@ieindia.org Web.: www.ieigsc.org**

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of above 0.8 million. Established in 1920, with its Head Quarters at 8 Gokhale Road, Kolkata 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honor. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from over 120 Centers located across the country. The Institution has established R&D centers at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Government of India. Every year as many as 90000 candidates appear for these exams. For details, please see: www.ieindia.org.

ABOUT THE SPONSORS/SUPPORTERS

Gujarat Narmada Valley Fertilizers & Chemicals Limited. (GNFC), is a joint sector enterprise promoted by the Government of Gujarat and the Gujarat State Fertilizers & Chemicals Ltd.(GSFC). It was set up in Bharuch, Gujarat in 1976. Located at Bharuch in an extremely prosperous industrial belt, GNFC draws on the resources of the natural wealth of the land as well as the industrially rich reserves of the area. GNFC today has extended its profile much beyond fertilizers through a process of horizontal integration. Chemicals/Petrochemicals, Energy Sector, Electronics/Telecommunications and Information Technology form ambitious and challenging additions to its corporate portfolio. GNFC has an enterprising, strategic view towards expansion and diversification.

FEIAP aims to be the premier professional organisation for Asia and the Pacific. To facilitate the exchange of information and ideas related to engineering amongst the member organizations within the Asia and Pacific and to promote an advance the science of the profession of engineering in any or all its branches of engineering and disciplines.

Federation of Engineering Institutions of South and Central Asia (FEISCA) Formed in 1979 under UNESCO to undertake activities in the South and Central Asia. The engineering institutions in south and Central Asia is guided by FEISCA to undertake the agenda of UN in the respective areas.

ABOUT THE GUJARAT STATE CENTRE

The Institution of Engineers(India) Mumbai State Centre opened a Local Centre at Ahmedabad in the year 1959 after which this was established as Gujarat State in the year 1960. This Centre is one of the most vibrant State centers of IEI. The foundation stone of building was laid by Hon'ble Governor of Gujarat K.K.Vishwanathan and the inauguration of the building was done by Shri Babubhai Jashbhai Patel, The then Chief Minister, Govt. of Gujarat. State Centre building bears the name of the building as 'Bhaikaka Bhavan', after the eminent engineer of Gujarat Shri Bhailalbhai Patel. Enriched with an excellent infrastructure in with library with 15000 books associated with small AC conference hall of 50 audiences, AC board room with a capacity of 30 people with full audio- visual aids. Sitting capacity of hall is approximately 375 people. With Dias/stage to accommodate 15 dignitaries. The Gujarat State Centre acts as a centrally located, state of art platform to justify the aims of IEI to serve a total corporate members strength of approximately 6000.

ABOUT AHMEDABAD

Ahmedabad is the biggest city of Gujarat, lies on 23.03o North Latitude and 72.58 East Longitude on the bank of River of Sabarmati. The city is well connected by rail, roads and airways with all the important cities of the country. It is Seventh largest city of the Country. Ahmedabad is now a district head quarter and many state-level and district-level offices are located in the city. City of Ahmedabad is unique even for India, for is bleeds harmoniously as ancient heritage with a vibrant present. A model city in terms of its ideals and aspirations, what is remarkable about Ahmedabad in its harmony between art and industry between a reverence to the past and a vision for the future. Dubbed as the Manchester of India in the days of yore. Ahmedabad is again at the crossroads in the history of its existence. Change came in the form of an announcement of Finance Minister declaring Ahmedabad as one of the mega cities of India. The path of the mega city status is fraught with challenges but keeping in mind the entrepreneurial nature of the citizens of Ahmedabad the city is bearing up to take up the challenge and truly acquire the status of MEGACITY.

ABOUT THE CONFERENCE

Since the first official branch of Chemical Engineering started in year 1888 at Massachusetts Institute of Technology (MIT) in the United States Chemical Engineering have seen the vertical growth all over the world. Teaching chemical engineering has always been faced with a dilemma: either keep in touch with industry needs or incorporate new scientific concepts into the curriculum. When student graduated, will enter to the industry with such dilemma and again try to get settled with industry needs. Industry themselves are facing problems from many corners including dilemma to adopt new technology or go with conventional way of dealing with process. The pace at which new technologies and process are coming up in the area of chemical engineering, it is very much essential for the students, academicians, researchers and industrialists to understand the paradigm shifts in chemical engineering education, processes and technology. This conference will provide a platform to all the stake-holders of chemical engineering sectors and allied industries and branches to share their knowledge with all the stake-holders and policy makers. Also, all the takers of this conference will get updated to face the new challenges in chemical engineering. The conference is focusing on showcasing the possible and economic solutions of the problems faced by all the stake-holders of chemical engineering and allied branches and sectors including environmental and end-of-pipe issues. As learning from the history, it is also essential to re-think about the ecofriendly chemical processing, product and reclamation process and accordingly necessary revision in the chemical engineering education. This seminar is focusing on this burning issue and provides a platform to the researchers working in this area to showcase their work amongst the intellectuals of similar area. Participatory response to solve such issues may be very effective.

OBJECTIVES

This seminar is primarily aimed at fruitful discussion on the paradigm shifts in the practices of chemical engineering and allied branches and sectors education, industry practices and related issues. It also aims the below mentioned, but not limited to, objectives:

- ✓ To provide a platform to share the inventions in the area of chemical engineering and allied branches and sectors.
- ✓ To identify the better solutions considering the environment effect due to the processing and production of chemicals.
- ✓ To suggest for the suitable alternatives against the use of conventional processes and technologies in industry and chemical engineering and allied branches education.
- ✓ To suggest for the possible changes in the existing policies for chemical engineering education, chemical industry and use and disposal norms of chemicals.

THEME

- Global and local shifting in Chemical Engineering education standards and strategies
- Exemplar shifting taking place in chemical processes and technologies
- Eco-friendly options against conventional chemicals and chemical processes
- Sustainable development approach of Chemical Industry practices.
- Alternatives to the present Chemical Education system and Industrial technologies and practices
- End of pipe treatment to the sustainable development approach in Chemical industry
- Environmental and safety issues associated with Chemical industry
- Global trend in the Chemical industry and use of ICT in processes.
- Global technological advancement trends in Chemical industry
- Industry practices for Chemical processing and reclamation
- Emergence of reclamation industry for chemicals and related wastes
- Policies needed to be revised / reframed / introduced in present paradigm shift of chemical engineering education and industry.

Three Technical Sessions covering all the above aspects can be effectively planned which will include invited lectures by prominent personalities drawn from industries, R & D organization, academic institutions etc. and contributed papers.

CALL FOR PAPERS

Technical papers on the above sub themes and related topics are invited for presentation in the different technical sessions on the seminar. The authors should send two copies of full paper in Science Direct template A-4 size pages typed in 12pt. Times Roman font with double spacing of their original works. Acceptance will be communicated by email. Authors are requested to send a copy right from duly signed by author(s) along with abstract on email: gujaratsc@ieindia.org

PARTICIPATION

Papers are invited from the persons involved in the area of chemical engineering. The targeted audience is as listed below, but not limited to:

- Government Organization
- Private Organization and companies
- Manufactures and trading organizations
- Consultants
- Application and development based organizations
- Academicians and students
- R & D Organizations
- Participation from Solution Providers

REGISTRATION FEES

Category	Indian Nationals/SAARC INR	Foreign Nationals USD
Corporate Members (IEI)	2000	75
Non-Members – Industry	4500	150
Academicians (Non-Members)	3500	120
Research Scholars/ Students	750	100
IEI Student Member	250	40

SPONSORSHIP

- Industry, Government and Semi Government Organizations, R & D Organizations, Consultants are requested to sponsors various activities of the seminar
- Sponsorship Categorized as mentioned below:

Amount	Deliverables
Rs. 5,00,000/-	Co-Organizer
Rs. 2,00,000/-	15 (+10 minutes free session)
Rs. 1,00,000/-	10
Rs. 75,000/-	07
Rs. 50,000/-	05
Rs. 25,000/-	02
Rs. 10,000/-	01

ADVERTISEMENT FOR SOUVENIR

Particulars	Amount
Inside colour full page	Rs. 15,000/-
Inside colour half page	Rs. 10,000/-
Inside cover page (2 nos.)	Rs. 50,000/-
Back side cover page	Rs. 1,00,000/-

IMPORTANT DATES

Receipt of Full Paper: 22nd July 2017
Conformation of Selection of Full Paper: 6th August 2017
Receipt of Formatted Full Paper: 20th August 2017

PUBLICATIONS/ SOUVENIR

E-Proceedings of the seminar will be published incorporating all plenary lectures, papers accepted for presentation and abstracts of all papers accepted for inclusion in seminar proceedings and made available registered participants. A souvenir highlighting the objectives of the seminar & incorporating write-ups on the subject for general digestion will also be published. Selected Papers will be sent for publication in IE Journals (Springer).

ACCOMMODATION

There are various hotels available for accommodation. Participants are requested to book on their own or ask for assistance to the organizing secretary.

PAYMENT

All payments are to be made through crossed Demand Draft/ Cheque, drawn in favour of **"The Institution of Engineers (India), Gujarat State Centre"**

Bank Account Name : The Institution of Engineers (India),
Gujarat State Center
Bank Name : Bank of India
(Navrangpura, Ahmedabad Branch)
Account No. : 200910210000022
IFSC Code : BKID0002009

International Conference on
“Paradigm shift in
Chemical engineering education,
processes and technology”

Registration Form

Name _____

Designation _____

Nationality Indian/Other _____

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Organization/Institution _____

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Registration Fee Rs. _____ Paid in

Cash/ Cheque/D.D.No. _____ Dt. _____

of Bank _____

Date:

Place: Signature of Applicant Signature and seal of Sponsor

CATEGORY :

Category	Indian Nationals/SAARC INR	Foreign Nationals USD
Corporate Members (IEI)	2000	75
Non-Members – Industry	4500	150
Academicians (Non-Members)	3500	120
Research Scholars/ Students	750	100
IEI Student Member	250	40

- Outstation payment to be made by Demand Draft in favour of The Institution of Engineers (India), Gujarat State Centre, Payable at Ahmedabad
- Photo copy of registration form may be used.

Please send the attached registration form, duly filled in along with appropriate registration fees through a crossed demand draft. All payments are to be made through crossed Demand Draft/ Cheque, drawn in favour of The Institution of Engineers (India), GSC, payable at Ahmedabad.

Address For Communication

Er. Bharat Patel FIE

Council Member IEI

The Institution of Engineers (India)

Bhaikaka Bhavan, Nr. Law Garden, Law College Road,
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E-mail: gujaratsc@ieindia.org

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