Centenary Celebration

Thirty-third National Convention of Textile Engineers &
National Seminar on
Two Decades of Nanotechnology in Textile: Progress and Prospects

February 20-21, 2020

Organised by

The Institution of Engineers (India)
Hosted by: GUJARAT STATE CENTRE
Under the aegis of Textile Engineering Division Board, IEI

Jointly with

The Institution of Engineers (India)
South Gujarat Local Centre, Surat

In association with

Ahmedabad Textile Industry's Research Association
Institute for Plasma Research, Gandhinagar
L.D. College of Engineering, Ahmedabad

Venue

The Institution of Engineers (India), Gujarat State Centre,
Bhaikaka Bhavan, Law College Road,
Ahmedabad - 380006, Ph. 079-26400811
Email: gujaratsc@ileindia.org Web: www.ieigsc.org
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Thirty-third National Convention of Textile Engineers & National Seminar on Two Decades of Nanotechnology in Textile: Progress and Prospects

Registration Form

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- 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

Honorary Secretary
The Institution of Engineers (India)
Gujarat State Center
Bhaikaka Bhavan, Nr. Law Garden,
Law College Road, Ahmedabad – 380 006
Ph: (079) 26400811 E-mail: gujaratsec@ieindia.org
ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEl is a statutory body to promote and advance the engineering science and technology, established in 1920 and incorporated by Royal Charter in 1935. It is the largest multi-disciplinary professional body of engineers encompassing 15 engineering disciplines and serving the nation for more than nine decades. The IEl has its headquarters located in Kolkata and its function through 123 Centers and several Overseas Chapters. Foras and Organis. Besides, IEl has bilateral agreements with about 31 international bodies and membership of another eight international bodies of the developed nations across the globe. Being recognized as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEl promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, postgraduate students and PhD Research Scholars of Engineering Institutions and Universities.

IEI conducts Section A & B Examinations in various engineering disciplines (popularly known as AMIE examination), 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.

IEI in collaboration with Springer regularly publishes peer-reviewed International Journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering 15 engineering disciplines, which are Scopus Indexed.

For further details, please visit: www.isin.org

ABOUT THE GUJRAT STATE CENTRE

Established in 1960, the Gujarat State Centre enriched with an excellent infrastructure including a building "Bhalakabham", a library with 16,000 books, a small AC conference hall, AC board room with full audio-visual aids and a State of the Art Center for Continuing Education & Skill Development. The Gujarat State Centre acts as a centrally located platform to justify the aims of IEl.

ABOUT AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION (ATIRA)

ATIRA is an autonomous co-operative non-profit association of textile research established in 1949. It is also a Centre of Excellence (COE) for Composites, Geotextiles, Nanotextiles and Protective Textiles. The objective of the COE is to provide plug and play facility to incubate startups and entrepreneurs for setting up new ventures at its Focus Incubation Centre (FIC) to compete in the local and global markets.

ABOUT FCIPT AND IPR

Institute for Plasma Research is a grant-in-aid institution under DAE, Govt. of India, set up in 1986 for carrying out theoretical and experimental studies in plasma physics, building tokamaks for thermonuclear fusion research and industrial plasma applications. IPR is the nodal agency from India for participation in the international fusion reactor programme ITER. FCIPT centre was set up in 1997 to promote the commercial exploitation of plasma technologies through development, incubation, demonstration, manufacturing and transfer. The centre has process development and instrumentation laboratories, job shop, material characterisation and manufacturing facilities and has a multi-disciplinary team of scientists and engineers with expertise in plasma physics, plasma chemistry, metallurgy, material science, power electronics and instrumentation.
ABOUT L. D. COLLEGE OF ENGINEERING

Laibhai Dalpatbhai College of Engineering, endearingly known as LDCE is Ahmedabad's premier engineering college situated at city's heart surrounded by elite organization like PRL, ATIRA, ISRO, IIM and CEPT. Started in 1946 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with Gujarat Technological University & administered by State's Department of Technical Education.

ABOUT THE SOUTH GUJARAT LOCAL CENTRE

Established in 1989, the South Gujarat Local Centre with an excellent infrastructure including a building “Mahida Bhavan” a library, One Auditorium (AC), Two Conference Room (AC) including audio visual facility and CCTV and Board Room all rooms connected with WIFI facility.

ABOUT AHMEDABAD

Ahmedabad is the biggest city of Gujarat, lies on 23.03° North Latitude and 72.58° East Longitude on the bank of River Sabarmati. The city is well connected by rail, roads and airways with all important cities of the country. It is seventh largest city of country. Ahmedabad is now a district headquarter and many state-level and district-level offices are located in the city. City of Ahmedabad is unique even for India, for it blends harmoniously as ancient heritage with a vibrant present. A model city in terms of its ideals and aspirations, what is remarkable about Ahmedabad is its harmony between art and industry to the past and 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 challenges and truly acquire the status of MEGACITY.

ABOUT THE PROGRAM

In the quota free world, textile industry is facing intensified competition in both their export and domestic markets. The companies are constantly being forced to look for ways to stay that crucial step ahead of the competition. The key to 21st century competitive advantage is the development of products with increasing level of functionality. In this pursuit, an emerging high-tech Nanotechnology came to an aid of the textile industry. It opened up a host of opportunities for imparting unique and superior functional features in textiles and apparel for value addition and better market. The global textile industry seized this opportunity. In India too, Arvind was the first mill which started production of Nano-Care stain resistant, wrinkle free fabric and garments during 2003 followed by Ashima and Raymond.

The objective of the Convention is to provide a common platform for textile researchers, academicians and practicing engineers to share their knowledge and experience in the field for the growth of the industry. This two days convention will cover nanotech textiles international and national scenario, extent of usage in the industry and benefits, challenges and future prospects.

Sub Themes are
- Nano Materials
- Nano Finishes
- Functional/Smart Textiles
- Nano Fibres
- Production & Processes
- Opportunities & Challenges

There will also be visit to Nano Technology Laboratory at ATIRA, Ahmedabad as well as to Nano Material Production Pilot Plant at FCIP ITP, Gandhinagar. The Valedictory Session will sum up the deliberations and finalize the recommendations.
CALL FOR PAPERS

Technical papers on the above themes and related topics are invited for presentation in the different sessions of the seminar. The authors should send two copies of extended abstract in IEEE template (not exceeding two A-4 size pages typed in 12pt. Times New Roman font with double spacing) of their original works latest by 20th Jan., 2020. Acceptance will be communicated through email by 15th Jan., 2020. Authors are requested to send a copyright form duly signed by author(s) along with abstract on email:
gujarate@ieli.org

Last Date for Abstracts: 250 words: 31st Dec, 2019
Full Length Paper (Max. 3-4 Pages): 31st Jan, 2020

REGISTRATION

The participants are advised to register in advance by remitting the registration fee as indicated below.

Members (IE): Rs. 500   |   Non Members: Rs. 1,000
Research Scholars/Students: Rs. 300

SPONSORSHIP

Various grades of Sponsorship are available e.g. Platinum Sponsor of Rs. 1,00,000/- will be eligible with 20 free delegates, Gold Sponsor of Rs. 75,000/- shall be eligible for 15 free delegates etc. Besides host of other benefits are available, details available on our website. Industry, Government and Semi Government Organizations and Manufacturers are requested to sponsor various activities of the seminar.

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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 IEJ 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”

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