

### National Advisory Committee

- Chairman : Er. H C S Berry , FIE, President, IEI  
Co-Chairman : Prof. (Dr.) N R Bandyopadhyay, Chairman, CATE & Chairman, MMDB, IEI  
Convener : Prof. (Dr.) J Arivudainambi, FIE, Hon. Secretary, Hosur Local Centre, IEI  
Members : Er. K K Mehrotra, FIE, Member, MMDB, IEI  
Er. Ashish Gupta, FIE, Member, MMDB, IEI  
Dr. G. Ranganath, FIE., Chairman, IEI, TSC  
Er. R. Ramdoss, MIE., Hon. Secretary, IEI, TSC  
Er. T.M. Gunaraja, FIE., Council Member, IEI., TSC  
Er. R. Periasamy, FIE., Council Member, IEI, TSC  
Er. K.N. Sivaraju, FIE., Elected Committee Member (MM), IEI, TNSC  
Dr. P.G. Venkatakrishnan, Principal I/c, Government College of Engg., Salem

### Organising Committee

- Chairman : Dr. N.S. Bhadrinarayana, FIE, Chairman, Hosur Local Centre, IEI  
Hon. Secretary & Organizing Secretary : Prof. (Dr.) J Arivudainambi, FIE, Hon. Secretary, Hosur Local Centre, IEI  
Members : Ar. K.S. Suganthi, AMIE., Elected Committee Member(AR), IEI., HLC  
Er. A. Krishna Mohan Reddy, AMIE., Elected Committee Member(CV), IEI., HLC  
Dr. L. Yeshodha, FIE., Elected Committee Member(CV), IEI, HLC  
Er. D. Ramya Dorai, MIE., Elected Committee Member(CP), IEI, HLC  
Er. M. Sakthivel, MIE., Elected Committee Member,(CP) IEI, HLC  
Dr. S. Sujatha, FIE., Elected Committee Member(EL), IEI, HLC  
Er. B. Perumal, MIE., Elected Committee Member(EL), IEI, HLC  
Dr. A. Sumathi, FIE., Elected Committee Member(ET), IEI, HLC  
Dr. M. C. Jobin Christ, MIE., Elected Committee Member(ET), IEI, HLC  
Dr. Channankaiah, FIE., Elected Committee Member(MC), IEI, HLC  
Dr. S. Venkata Suresh Babu, FIE., Elected Committee Member(MC), IEI, HLC  
Er. N. Shyaam Sundhar, MIE., Elected Committee Member(MC), IEI, HLC  
Er. Nair Vipin C, MIE., Elected Committee Member Member(PR), IEI, HLC

### Technical Committee

- Chairman : Er. N. Tamilselvan, AMIE, Elected Committee Member(AS), IEI., HLC  
Members : Er. R. Vijayakumar, AMIE, Corporate Member, IEI, HLC  
Er. T. Anand, AMIE, Corporate Member, IEI, HLC  
Er. P. Muthusamy, AMIE, Elected Committee Member (AS), IEI, SLC

### Contact

#### Dr. J. Arivudainambi FIE

Convener

All India Seminar on

"High Temperature Materials"

and

Professor and Head, Department of Aeronautical Engineering

Adhiyamaan College of Engineering,

Hosur 635130, Krishnagiri District.

Address of IEI Local Centre : 69, Kamaraj Nagar,

Kumudepally, Hosur 635 130

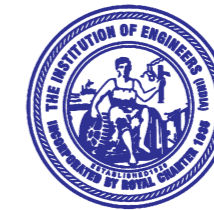
Phone: Mobile: 9894445988 Email: ieihlc15@gmail.com / hosurhc@ieindia.org

# The Institution of Engineers (India)

97 years of Relentless Journey towards  
Engineering Advancement for Nation Building

## All India Seminar on 'High Temperature Materials'

10 - 11, March 2017



Organised by

## The Institution of Engineers (India)

Hosur Local Centre, Hosur

Under the Aegis of

**Metallurgical & Materials Engineering Division of IEI**

In association with

### Adhiyamaan College of Engineering

(An Autonomous Institution affiliated to Anna University, Chennai)

Hosur – 635109, Krishnagiri District, Tamil Nadu

Venue

### Aero Wing Seminar Hall

Adhiyamaan College of Engineering (Autonomous)

Hosur

### 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 a membership strength of more than 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata 700020, IEI has served the engineering fraternity for over nine decades. During 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 honour. 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 114 Centres located across the country. The Institution has established R&D centres 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 a degree in the appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Government of India. Every year as many as 90,000 candidates appear for these exams. For details, please log on to: [www.ieindia.org](http://www.ieindia.org)

### About Hosur Local Centre

The Hosur Local Centre was bifurcated from Salem Local Centre covering the jurisdiction of Krishnagiri District, Thirupathur District, and a part of Vellore district. Permission was granted to establish a Local Centre at Hosur by the Tamilnadu State Centre of IEI in consultation with IEI, Headquarters, on satisfying the norms of membership strength, i.e. above 300.

The then President of IEI Dr. L.V. Muralikrishna Reddy, FIE inaugurated the Hosur Local Centre on 29.08.2015. A warrant on establishment of Hosur Local Centre was read out by Er. B. Brahma Reddy, the then Secretary and Director General, The Institution of Engineers (India), Kolkata, and handed over to the newly elected office bearers of Hosur Local Centre.

As a first activity, after the inauguration, Hosur Local Centre organized a seminar on 'Opportunities and Challenges for Chemical Engineers', followed by the 48th Engineers Day to commemorate the 155th Birthday of Bharat Ratna Sir M. Visvesvaraya. After the take-off, buzzing of activities like 'Latest Trends in Bioinformatics and its applications'; a film on 'Engineering Innovations'; World Habitat Day on the theme 'Spaces for All'; World Standards Day on the theme 'Standards the World Common Language'; Youth Awakening Day to Commemorate the 84th Birthday of Dr. A.P.J. Abdul Kalam; Energy Conservation Day; a host of All India Seminars on 'Additive Manufacturing'(MCDB); 'Embedded Systems with Real Time Applications'(ETDB); 'Environmental and Economic Impact on Sustainable Development'(ENDB) and 'Vehicle Aerodynamics Design'(ASDB) and World Water Day were organized in a very successful manner. These activities were carried out in a very short span of time, within a period of eight months, i.e. from 29.08.2016 to 31.03.2016.

Keeping pace with the time, Hosur Local Centre commenced its activities in the subsequent financial year 2016-17 by celebrating the National Technology Day; the World Telecommunication and Information Society Day and the World Environment Day. All India Seminar on 'Internet of Things, Big Data and Security' (CPDB) and All India Seminars on 'Bio-Inspired Systems and Signal Processing' (ETDB) was organized. Adding to its credit, Workshops on 'Android Applications and Development' and 'Electric Power Transmission and Distribution' was organized. Apart from the above, it celebrated the 49th Engineers Day to commemorate the 156th Birthday of Bharat Ratna Sir M. Vivesvaraya. Hosur Local Centre proved its capability by hosting the 30th National Convention of Marine Engineers' on 26-27 August 2016 at Sri Nandhanam College of Engineering and Technology, Thirupattur. The second Annual General Meeting was held on 28 October 2016, where the first Annual Report for the period 2015–2016 and the first Audited Account for the year ended 31 March 2016 was presented.

Apart from the Technical activities, Hosur Local Centre had forwarded the first Audited Accounts after its inception, for the period ending 31 March 2016 to IEI, Kolkata, well ahead of the cutoff date set by Headquarters. Adding to its credit, it had procured its own land, which was registered on 29.07.2016. Not stopping with this, Hosur Local Centre has slated a National Convention on Aerospace Engineering (ASDB) during 20-21 November 2016; an All India Seminar under CHDB during 9–10 December 2016, in addition to the statutory days earmarked by the headquarters, without any sluggishness in its spirit.

Hosur Local Centre is marching ahead with its usual vigor to conquer the activities coming on its way.

### Hosur

Hosur also known as New Bangalore (Bengaluru)/Rose valley is known for its manufacturing industries and educational institutions. It is considered as gateway to Bengaluru, the major satellite town of Karnataka. The climate of Hosur is similar to that of Bengaluru, which is just 35 km away. Hosur, because of its proximity to Bengaluru, enjoys all the facilities like Highway, Train, Airport and other modes of communication similar to that of a metropolitan city. Hosur is a fast growing major industrial town with various industrial units like TITAN, Ashok Leyland, Hindustan Motors, TVS and a host of other small and medium scale industries. Thus the social, educational, political, and industrial fronts give an insight to the growth of the region and indirectly into that of Hosur Local Centre.

### About the associate organization

Adhiyamaan Engineering College is one of the educational institutions built by Adhiyamaan Educational & Research Institution Trust, in the year 1987–88 to cater the needs of the nation in the development of technocrats and to provide facilities for educating and training men and women to meet the entrepreneurial and management needs. The Institute offers 12 UG and 8 PG programmes apart from MBA and MCA. The college is

situated at Dr. M.G.R. Nagar, Hosur. The Campus is spread over an area of 250 acres abutting the National Highway, NH-7.

This event is being organized in association with such a prestigious Adhiyamaan Engineering College, Hosur

About the programme with objective, theme, subthemes, call for papers, important dates, registration details, accommodation, venue, etc.

### Preamble

Global population growth and boost in economy undoubtedly brought to a point where long-term sustainable growth without impacting the environment is in high demand. The arena of materials is no exception and that arose tremendous interest in the mind of scientific world to meet futuristic challenges in this domain.

### Objective

The primary objective of this symposium is to bring together eminent people from fields of metallurgy, materials science, glass and ceramics who are constantly working in the area of high temperature solid, liquid materials and their related phenomena. These materials offer energy-efficient and eco-friendly applications, including aerospace, ground transportation, power generation, electronics, biomedical and other advanced fields that need unique and novel solutions.

### Subthemes

❖ Ceramics, glasses, composites and amorphous materials	❖ Advanced materials and technologies for medical applications
❖ Materials at high pressure and temperature	❖ Consolidation principles, grain boundaries, interfaces and surfaces of ceramic and composite materials
❖ Materials for nuclear energy applications	❖ High temperature mechanical and thermodynamic measurements
❖ Composite materials for structural (aerospace, transportation, etc.) applications	❖ Theoretical modeling with experiment on high temperature materials
❖ Electronic materials	

### Call for papers

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the conference.

Please submit your abstracts to [ieihlc15@gmail.com](mailto:ieihlc15@gmail.com) / [hosurhc@ieindia.org](mailto:hosurhc@ieindia.org)

### Registration:

IEI Members	₹ 1000.00	Research Scholars	₹ 750.00
Non-IEI Members	₹ 1500.00	Students	₹ 500.00

### Sponsors and Cosponsors

The Institution of Engineers (India) being a voluntary professional body, this All India Seminar has been organized on self-supporting basis. The organizers request the kind patronage from the various Governmental Organizations, Industries, Private Sector Companies, Education and R&D Institutions, Consultants, Trading houses—both under private and public sectors for the successful conduct of the event. **The names of the sponsoring and cosponsoring organizations will be displayed prominently at the Seminar Venue.**

The sponsoring and cosponsoring organizations are entitled to **send delegates free of Registration Fee** as indicated below:

Platinum Sponsor	: ₹ 30,000/- (6 Free delegates)	Gold Sponsor	: ₹ 20,000/- (4 Free delegates)
Silver Sponsor	: ₹ 15,000/- (3 Free delegates)	Sponsor	: ₹ 10,000/- (2 Free delegates)
Cosponsor	: ₹ 5,000/- (1 Free delegate)		

The registration forms, complete in all respects, along with the requisite delegate fee in the form of **MICR Cheque/ DD** in favour of “**The Institution of Engineers (India), Hosur Local Centre**” payable at **Hosur** should be sent to the following addresses 1 week before the scheduled start of the Seminar:

### Dr. J. Arivudainambi FIE,

Convener, All India Seminar on “High Temperature Materials”, and Professor and Head, Department of Aeronautical Engineering,

Adhiyamaan College of Engineering, Hosur - 635130, Krishnagiri District.

Ph: (M) 09894445988 e-mail: [ieihlc15@gmail.com](mailto:ieihlc15@gmail.com) / [hosurhc@ieindia.org](mailto:hosurhc@ieindia.org)

### Dates to be Remembered:

Last Date for submitting abstracts	28 January 2017	Intimation for acceptance	6 February 2017
Submission of full paper with registration fee	20 February 2017	Seminar dates	10-11 March 2017

**Payment:** All payments are to be made through crossed demand draft/at par cheque, drawn in favour of “The Institution of Engineers (India), Hosur Local Centre” payable at Hosur.

**For Bank Transfer:** Our Bankers – Indian Overseas Bank, Kumudepally Branch (AERI Campus), Hosur 635 130

IFS Code: IOBA0000869; Branch Code: 0869 : MICR Code: 635020406 : Our SB A/c No.08690100025311 : Our PAN No. AAATT3439Q

The fee includes course material, lunch, morning/evening tea for 2 days.

**Travel & Accommodation:** Delegates shall make their own arrangement for travel, boarding & lodging.



# The Institution of Engineers (India)

## Hosur Local Centre

69, Kamaraj Nagar, Kumudepally, Hosur – 635 130,

All India Seminar on 'High Temperature Materials'

10 - 11, March 2017

Adhiyamaan College of Engineering (Autonomous), Hosur

### Delegate Registration Form

Name: (Block Letters).....

Organization/Institution:.....

Designation:.....

Address:.....

Mobile:..... Telephone:.....

Fax:..... Email:.....

Registration category:

Sponsored Delegate  Member  Non-member  Student

Platinum Sponsor  Gold Sponsor  Silver sponsor  Sponsor

Co-sponsor

\* Tick the boxes as per your category / Strike out whichever is not applicable

I / We enclose a Cheque / Demand Draft for ₹. ....

(in figures) (Rupees).....

only)(in words) in favour of **“The Institution of Engineers (India), Hosur Local Centre”** Payable at Hosur. & Drawn on **(Bank Particulars)**.....

Cheque / Demand Draft No..... Dated.....

**Signature**

Please Mail the Registration form to

**Dr. J. Arivudainambi FIE,**

Convener, All India Seminar on “High Temperature Materials”, and Professor and Head, Department of Aeronautical Engineering, Adhiyamaan College of Engineering, Hosur - 635130, Krishnagiri District.

Ph: (M) 09894445988 e-mail: ieihlc15@gmail.com / hosurhc@ieindia.org

\*\* Delegates can also utilize the 'Bank Transfer' facility for payments with the details given in the brochure about our Bankers and send the proof of payment to us for registration.



## All India Seminar on **'High Temperature Materials'**

10 - 11, March 2017

at

**Adhiyamaan College of Engineering (Autonomous), Hosur**

To

From

**Dr. J. Arivudainambi FIE**

Convener - All India Seminar on “High Temperature Materials”  
and

Professor and Head, Department of Aeronautical Engineering  
Adhiyamaan College of Engineering, Hosur 635130, Krishnagiri District.

Phone:Mobile: 9894445988

Email :ieihlc15@gmail.com / hosurhc@ieindia.org