

# The Institution of Engineers (India)



## T. N. STATE CENTRE BULLETIN

Er. S. Kannan, FIE  
Chairman

Er. K. N. Sivaraju, MIE  
Honorary Secretary



Vol. 21 : No.08

AUG 2023

### From Chairman's Desk ...



Dear Esteemed Members,

Season's greetings to all !

I feel great pleasure to meet you all through this News Bulletin once again.

Firstly I join with all of you to congratulate our newly elected President Er. Shivananda Roy.

The Tamilnadu State Centre conducted the Chairman & Honorary Secretary election on 27<sup>th</sup> August 2023 and Dr V. Karthikeyan, has been elected as Chairman and Er D. Gokul has been elected as Honorary Secretary for the session 2023 – 2025. My hearty congratulations and best wishes to the newly elect Chairman & Honorary Secretary of Tamilnadu State Centre and also the newly elected

Chairmen and Honorary Secretaries of local centres.

They must use their wisdom and experience to recognize and nurture the unique talents and strengths within their team, and work with strong conviction and commitment to deliver no matter where they are located for uplifting and take the IEI centres to greater heights to boost the Institution of Engineers (India) image.

On August 23, India joined an elite club of only three other countries that have a rover on the lunar surface. With this, it also became the only country to have achieved a soft landing near the moon's South Pole – a largely uncharted region.

"INDIA ON THE MOON" was a successful and safe landing of Chandrayaan-3 on moon. A great prestigious and proud historical moment for every Indian.

My hearty Congratulations to all Teams of Scientists and Engineers and all others of ISRO engaged for the same.

Er. S. Kannan, FIE  
Chairman

## NOTICE FOR ELECTION FROM DIVISIONS TO THE COMMITTEE OF THE TAMILNADU STATE CENTRE

For the Sessions 2023-2024 & 2024-2025

Page (7&8)

Last date to receive the application form on or before 31.08.2023 before 5.00 pm

## INDEPENDENCE DAY CELEBRATION



## International Day of the Seafarer – 2023 Theme: Seafarers, MARPOL and the Marine Environment” 24<sup>th</sup> June 2023

The Tamilnadu State Centre of the Institution of Engineers (India) in association with Institute of Marine Engineers (India), Chennai Branch and The Company of Master Mariners of India, Chennai Chapter observed the International Day of the Seafarer on the theme “ Seafarers , MARPOL and the Marine Environment” on 24<sup>th</sup> June 2023 at 10.00 am at IEI TNSC Auditorium, Chennai.

The program started with Tamilthai Valthu followed by the welcome address delivered by **Er S Kannan**, Chairman IE(I) Tamilnadu State Centre. He spoke about the history of IE(I) and he mentioned about the National Environmental Sustainable and Climate Change Forum. **Er Sanjeev S Vakil**, Chairman IME(I) Chennai Branch addressed the gathering. **Capt. Ajay Gangadharan**, Chairman, CMMI Chennai Chapter delivered about the Seafarer day.

**Shri Jagmeet Makkar**, IMEI(I) Chair, Indian Maritime University was the chief guest and he delivered on the thematic address. The biggest stumbling block which the youngsters will face is us oldies.



This is a warning for this generation and the one immediately after me. I must also warn you, my younger friends: “never for once ever believe anyone who tells you that your generation can never match what earlier generation had”. You are smarter, have expanded horizons through immense exposure and possess better tools. A friendly advice would be “always has respect for another regardless of gender and different background, have empathy for all, be frugal and believe in a minimalistic approach to imbibe a life style that makes this planet sustainable for generations to some”.

In the interest of time, let me leave some thoughts with you:

1. Fuels, propulsion systems and ship designs are changing. They will require different skills sets. So, complacency is a total no no and broadening the knowledge base is definitely yes yes examples would be attending courses on cryogenics, alternate fuels, efficiency optimization, digital twin solutions, automation, artificial intelligence, algorithms. Some of these will be provided by universities including IMU, Institute of Marine Engineers (I) and others.

2. The beauty of the Shipping business is that - this is one business where one needs has to have knowledge about almost every other business. This is why shipping is called a derived demand. This presents to you a challenge and a great opportunity to expand your horizons. Organisations such as maritime management school of IMU, Institute of Chartered Shipbrokers, Narottam Morarjee Institute of Shipping, NIA etc. can help you. The opportunities are endless.

3. Please remember, you will never automatically get time for learning and training. Something else, apparently more important will come and fill in your time-space. Thus, remember – for learning and development – you have to “make time” by redesigning your daily routine.... say as my Guru ji, used to say – buy one more watch – see, now you have 48 hours!

4. Listen to podcasts and videos posted by organisations and firms such as LR, DNV, Wartsila and there are many more. You can download them in your YouTube offline library and listen to them at your leisure. My favourite place and time for this “during air travel”.

5. Finally, each one of us is a teacher as well as learner. What you can teach your junior on the job through your action and performance, he or she will never learn in a class room or on a simulator. Let this be the thought in your conscience and sub consciousness minds that we learn more through sharing. And, then the knowledge chain continues. In this year’s motto “Seafarers, MARPOL and Marine Environment”, as seafarers, we have a

responsibility to safeguard our environment, following good practices and be always in compliance with the regulations. Shore based staff must understand and appreciate the knowledge, skills and resources the seafarers require to perform. And it is not only for 2023, it is forever. This year is only a soft reminder because regulations are only going to be tougher.

**Mr. Kitack Lim**, IMO Secretary General delivered the special address to the gathering online.



**Capt. Solomon Ebenezer**, Master, Maersk Line, **Mr. Sajit Kumar**, Indian Register of Shipping (IRS) and **Capt. Sai Dinesh K.C**, Marine Superintendent, Densay Marine Private Ltd., were the eminent speakers from various marine industries delivered at the event.



Chief Guest and Eminent Speakers were honoured with shawl and memento.

**Er K N Sivaraju**, Honorary Secretary of Tamilnadu State Centre proposed the vote of thanks.

## All India Seminar on “Optimizing the demand of Material Science with the help of recent technologies” 28 & 29 July 2023

The Institution of Engineers (India) Tamilnadu State Centre organized the “**All India Seminar on Optimizing the demand of material science with the help of recent technologies**” under the aegis of Metallurgy and Materials Science Engineering Division in association with Thiagarajar Polytechnic College, Salem on 28 & 29 July 2023 at TPT Auditorium, Thiagarajar Polytechnic College, Salem.

The event began with an auspicious touch with Tamizhthaa Vazhthu to mark the beginning of tenure through a pious tradition. **Er S Kannan**, Chairman, IE(I) TNSC delivered the welcome address. He spoke about the celebration of the Centenary year and release of the Centenary Elite Volume which speaks about the 100 years of History and the Glory of IEI. Tamilnadu State Centre. It is a feather on the cap to the IEI Tamilnadu State Centre in achieving the Asia Book of Record for 100 Hours IEI TNSC TECHNO CARIVAL with the support of 16 Local Centres. He also spoke about the benefits of the Students Chapter and Institutional Membership of IEI. Scholarships will be given to the 85 nos. to the engineering meritorious students attached to the different Student chapter. Technical events like Seminar, Symposia, Conventions, Workshops etc., can be organized with attached to IEI State/Local Centres.



**Er S Natarajan**, Convener and Committee Member of IE(I) TNSC delivered the thematic address.



**Dr V Karthikeyan**, Principal, Thiagarajar Polytechnic College, Salem and Committee Member of IE(I) TNSC delivered the special address to the gathering.



**Mr Chocko Valliappa**, Vice Chairman, Thiagarajar Polytechnic College and Sona Institutions, Syndicate member, Anna University was the Chief Guest and delivered the inaugural address. He highlighted the evolution of material science and detailed about the smart and innovative materials used in various industries.



**Dr William Oakes**, Director, EPICS Program Professor Engineering Education, Purdue University, USA delivered the Keynote address.

Dignitaries were honoured with shawl and memento. Souvenir was released by the dignitaries during the seminar.



**Er K N Sivaraju**, Honorary Secretary, IE(I) TNSC proposed the vote of thanks.



**Dr Murugaiyan Amirthalingam**, IITM Chennai delivered on the topic “Ultrasonic Additive Manufacturing”.

**Dr K G Pradeep**, IITM Chennai delivered on the topic “Functional Materials”.

**Dr V Karthik**, NIT, Trichy delivered on the topic “Material Science and Nano Technology”.

**Dr D Nagarajan**, NIT, Trichy delivered on the topic “Advanced Materials and Processes”.



Committee Members, Corporate Member, Council Members, Local Centre Chairman, Faculties, Industrialist and Students from various institutions were actively participated in the seminar.

The following experts were delivered the lectures during the two days seminar.

**Er G Balasivaramasubramanian**, Head of the Department from Thiagarajar Polytechnic College presented on the topic “Aerospace Materials”.

**Dr K T Thilagham**, Government College of Engineering, Salem delivered on the topic “Ceramic Matrix Composites”.



Technical Sessions were conducted with four sessions and more than 50 papers were presented during the seminar. The eminent speakers were honoured with memento and certificates.

Valedictory session was held on 29<sup>th</sup> July 2023 at 4.00 pm at TPT Auditorium, Salem.

**Er G Balasivaramasubramanian**, Chairman, Technical Committee delivered the welcome address. **Er S Natarajan**, Convener and Committee Member of IE(I) TNSC presented the summary report of the Seminar.



**Dr T M Gunaraja**, Past President of the Institution of Engineers (India) was the chief guest and delivered the valedictory address. He explained about the IE(I) activities and important role of engineers in the nation building. He also appreciated the efforts taken by the TPT and Sona Institution

Management and Organising committee members of the seminar.

**Dr V Karthikeyan**, Principal, Thiagarajar Polytechnic College, Salem and Committee Member of IE(I) TNSC delivered the key note address during the valedictory session. Dignitaries were honoured with shawl and memento. Certificates were distributed to the paper presenters and participants. **Dr A Kanakaraj**, Head of the Department (MC), Thiagarajar Polytechnic College, Salem and Organising Committee Member of the seminar proposed the Vote of Thanks. The program ended with National Anthem.



Dignitaries at the Valedictory Session

# The Institution of Engineers (India)

Tamilnadu State Centre

## NOTICE

FOR ELECTION FROM DIVISIONS TO THE COMMITTEE OF THE TAMILNADU STATE CENTRE

For the Sessions 2023-2024 & 2024-2025

To

All Corporate Members

Attached to Tamilnadu State Centre

The members of the Committee of Tamilnadu State Centre of The Institution of Engineers (India) shall retire at the ensuing Annual General Meeting of the said Tamilnadu State Centre. It is, therefore, necessary to hold election to fill up the vacancies caused thereby for the sessions 2023-24 & 2024-25 in each Division as follows:

Aerospace Engg Division	: 1	Elect. & Telecom Engg. Division	: 2
Agricultural Engg Division	: 1	Environmental Engg Division	: 1
Architectural Engg Division	: 1	Marine Engg Division	: 1
Chemical Engg Division	: 1	Mechanical Engg Division	: 3
Civil Engg Division	: 3	Metallurgical & Materials Engg Division	: 1
Computer Engg Division	: 1	Mining Engg Division	: 1
Electrical Engg Division	: 2	Production Engg Division	: 1
		Textile Engg Division	: 1

**TOTAL NUMBER OF COMMITTEE MEMBERS 21**

Members retiring from the Committee after completion of three full tenure at a stretch shall not be eligible for re-election. However, they shall be eligible for re-election after a break of one term.

Interested Corporate Members are hereby called upon to submit the hard copy of their self-nominations as per the format given herewith along with biodata (**not exceeding 100 words, if it exceeds it may be abridged to limit it to one hundred words by the Board of Scrutineers suitably**), self-attested photocopy of Identity proof and non-refundable earnest money of ₹ 5000/- (**Rupees Five Thousand**) by way of Demand Draft to the Convener, Board of Scrutineers so as to reach him by **post only** not later than **5.00 pm on 31<sup>st</sup> August 2023** at the following address:

**The Convener,**

Board of Scrutineers

The Institution of Engineers (India)

Tamilnadu State Centre

No 19, Swami Sivananda Salai,

Chepauk, Chennai – 600005

The acceptable proof of Identity of the candidate shall be his PAN card or Driving License or Passport or Photo ID Card issued by State/Central Government bearing his signature or Photo ID Card of The Institution bearing his signature or first page of his passport duly self attested.

**A member attached to a Division shall be eligible to submit self-nomination for election only in that Division.** The earnest money is acceptable only by **Demand Draft in favour of "The Institution of Engineers (India)", payable at Kolkata.** The Demand Draft must be submitted along with the nomination papers.

**Er P R Seshadri, FIE**

Convener

Board of Scrutineers for Election to the Committee of

Tamilnadu State Centre for the Sessions 2023-24 & 2024-25

Date: 12.07.2023

MEMBERS of BOS : 1. Er N Prasad 2. Er V Dhanasekaran 3. Er S Perumal 4. Er P Abilash

For further information click website : [www.ieitnsc.org](http://www.ieitnsc.org)

**FORMAT OF NOMINATION**

To

**The Convener**

Board of Scrutineers  
The Institution of Engineers (India)  
Tamilnadu State Centre  
No 19, Swami Sivananda Salai.  
Chepauk, Chennai - 600005

Dear Sir,

Sub: **Election to the Committee of Tamilnadu State Centre for the Sessions 2023-24 & 2024-25**

I, ..... attached to .....Engineering Division hereby nominate myself from the same Division for the subject election.

I attach herewith my updated biodata, **₹ 5000/- (Rupees Five Thousand)** as the non-refundable earnest money by way of **Demand Draft** (Six digit DD No. ....dated .....) and self-attested photocopy of my PAN Card / Driving License or Photo ID Card issued by State / Central Government bearing my signature or Photo ID Card of The Institution bearing my signature / first page of my passport as proof of my identity.

Thanking you,

Yours faithfully,

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Membership No. : \_\_\_\_\_

Division : \_\_\_\_\_

Date : \_\_\_\_\_

-----  
\* I do hereby agree to serve the Committee, if elected. I declare that there are no proceedings by the Council or the Ethics Control Board against me.

**OR**

\* I do hereby agree to serve the Committee, if elected. I declare that there are proceedings by the Council and/or the Ethics Control Board pending against me, the details of which are as attached.

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Membership No. \_\_\_\_\_

**\* Strike out whichever is not applicable**

**N.B.** No payment by Cheque/ NEFT/ RTGS or any other online means shall be acceptable

Registered with the Registrar of  
Newspapers for India, No. TNENG/2001/05585

DATE OF PUBLICATION: 1<sup>st</sup> of every month  
Regd. No. TN/CH(C)/344/2018-2020  
Licence No. TN/PMG(CCR)/WPP 455/2018-2020

## TECHNICAL ACTIVITIES

28<sup>th</sup> & 29<sup>th</sup> August 2023 All India Seminar on “Smart Materials for Future Applications” in association with IEI Madurai Local Centre and K.L.N. Memorial Polytechnic College, Madurai.

31<sup>st</sup> August 2023 & 1<sup>st</sup> Sept 2023 All India Workshop on Agricultural Entrepreneurship and Sustainable Natural Farming in association with SRM Valliammai Engineering College, Kattankulathur

11<sup>th</sup> & 12<sup>th</sup> September 2023 35<sup>th</sup> National Convention of Marine Engineers and National Conference on “Recent Advances in Marine Engineering and Marine Systems”

27<sup>th</sup> September 2023 One Day Seminar on Sustainable Developments in Quality Control of Construction Sector in association with Thiagarajar Polytechnic College, Salem

6<sup>th</sup> & 7<sup>th</sup> October 2023 36<sup>th</sup> National Convention of Textile Engineering on the theme “Smart Textile”

Licensed to post without pre-payment

Posted on

Posted at: Egmore RMS (Patrika)

## *Bulletin*

IF UNDELIVERED RETURN TO :

The Institution of Engineers (India)

Tamilnadu State Centre

19, Swami Sivananda Salai, Chepauk, Chennai – 600 005

Phone : 044-25360614 / 9962950333

E-mail : [ieitamilnadu@gmail.com](mailto:ieitamilnadu@gmail.com) / [tncs@ieindia.org](mailto:tncs@ieindia.org), Website: [www.ieitnsc.org](http://www.ieitnsc.org)

Printed by Er. K. N. Sivaraju, Honorary Secretary and Published on behalf of The Institution of Engineers (India), Tamilnadu State Centre,  
19, Swami Sivananda Salai, Chepauk, Chennai 600 005 and Printed at Sunitha Printers, 193, Peters Road, Chennai 600 014,

Editor: Er. K. N. Sivaraju, Honorary Secretary