

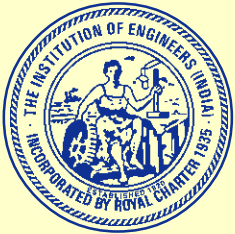
# Institution of Engineers (India)

T.N. STATE CENTRE

## BULLETIN

Dr. G. Ranganath, FIE  
Chairman

Er. R. Ramdoss, MIE  
Honorary Secretary



Vol. 16 : No. 8

November 2017

### From the Chairman's Desk....



Dear Fellow Engineers,

My heartfelt greetings to all of you and happy to meet you all through this medium.

Due to heavy rains at Chennai and its peripherals, the 31<sup>st</sup> National Convention of Aerospace Engineers and National Seminar on 'Innovation, Trends and Strategies of Indian Aerospace Sector - Present and Future', to be held on 3<sup>rd</sup> & 4<sup>th</sup> November 2017 at Sathyabama University, Chennai, stands postponed. The changed date will be announced later.

The 32<sup>nd</sup> Indian Engineering Congress 2017 is all set to spread its wings wide open, welcoming all the Engineers of various disciplines around the country and the globe to its hub during 21-23 December 2017 at Le Royal Meridian, Chennai under the theme "Innovation in Engineering: Competitive Strategy Perspective". I request all the members to actively participate in the grand event and make the congress in a grand manner.

It is my desire to increase the membership strength of IEI, Tamilnadu State Centre to a considerable level and to establish Students' Chapter in the Engineering Colleges and Polytechnic Colleges in and around Chennai. I seek the support of the Committee Members to achieve the goals.

I request my member friends to bring in more and more new members into the fold of IEI with a slogan 'EVERY MEMBER INDUCT A NEW MEMBER' to double the strength. Let us all unite to boost the membership strength of IEI.

Let us all prepare ourselves to make the 32<sup>nd</sup> Indian Engineering Congress a grand success and show the caliber of Tamilnadu State Centre its quality on conducting the events.

We are in the threshold of inviting the year 2018. Let us all get ready to plan more and more events in the coming New Year.

Dr. G Ranganath  
Chairman

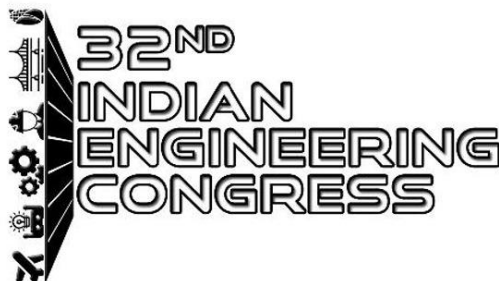
## The Institution of Engineers (India)

TAMILNADU STATE CENTRE

ORGANIZES



**VENUE**  
Le Royal Meridien,  
Chennai



**DATE**  
21<sup>st</sup>-23<sup>rd</sup>  
December, 2017

**THEME: INNOVATION IN ENGINEERING: COMPETITIVE STRATEGY PERSPECTIVE**

**CONGRESS SECRETARIAT:**  
32<sup>nd</sup> Indian Engineering Congress,  
Tamilnadu State Centre,  
No.19, Swami Sivanada Salai,  
Chepauk, Chennai 600 005.

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## CONGRATULATIONS! IE(I) PRESIDENT-ELECT FOR 2017-2018



We wish to convey best wishes on behalf of Tamilnadu State Centre to **Mr Sisir Kumar Banerjee, FIE**, who has been elected as the President of The Institution of Engineers (India) for the session 2017-18.

### 32<sup>ND</sup> IEC 2017 TECHNICAL COMMITTEE MEETING

14<sup>th</sup> October 2017



### WORLD STANDARDS DAY

Theme: Standards Make Cities Smarter

14<sup>th</sup> October 2017



Each year on 14<sup>th</sup> October, the members of the IEC, ISO and ITU celebrate World Standards Day, which is a means of paying tribute to the collaborative efforts of the thousands of experts worldwide who develop the voluntary technical agreements that are published as international standards.

The Tamilnadu State Centre of the Institution of Engineers (India) observed the **World Standards Day** on Saturday the 14<sup>th</sup> October 2017 at the IE(I) TNSC Auditorium, Chennai. At the outset, **Dr G Ranganath**, Chairman presided over the event and welcomed the gathering. **Er R Ramdoss**, Honorary Secretary introduced the Chief Guest **Dr. E. Bhaskaran B.E., M.I.E., M.B.A., Ph.D., C.E.**, Deputy Director of Industries and

(contd. on page 3)

(contd. from page 2)

Commerce, Department of Industries and Commerce, Government of Tamil Nadu, Chennai.

Dr E Bhaskaran delivered the thematic address on “Standards Make Cities Smarter” with power point presentation. The presentation covers the following:

#### **Smart City-Vision**

- A smart city is an urban development vision to integrate information and communication technology (ICT) and Internet of things (IoT) technology in a secure fashion to manage a city's assets.
- These assets include local departments' information systems, schools, libraries, transportation systems, hospitals, power plants, water supply networks, waste management, law enforcement, and other community services.
- A smart city is promoted to use urban informatics and technology to improve the efficiency of services.
- ICT allows city officials to interact directly with the community and the city infrastructure and to monitor what is happening in the city, how the city is evolving, and how to enable a better quality of life.
- Through the use of sensors integrated with real-time monitoring systems, data are collected from citizens and devices - then processed and analyzed.
- The information and knowledge gathered are keys to tackling inefficiency.

#### **Smart Cities Mission**

- The objective is to promote cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions.
- The focus is on sustainable and inclusive development and the idea is to look at compact areas, create a replicable model which will act like a light house to other aspiring cities.
- The Smart Cities Mission of the Government is a bold, new initiative.
- It is meant to set examples that can be replicated both within and outside the Smart City, catalysing the creation of similar Smart Cities in various regions and parts of the country.
- Smart Cities Mission is an urban renewal and retrofitting program by the Government of India with a mission to develop 100 cities all over the country.
- Smart City vision is part of a larger agenda of creating Industrial Corridors between India's big metropolitan cities in India.

#### **Core infrastructure elements in a Smart City**

- i. Adequate water supply,
- ii. Assured electricity supply,
- iii. Sanitation, including solid waste management,

- iv. Efficient urban mobility and public transport,
- v. Affordable housing, especially for the poor,
- vi. Robust IT connectivity and digitalization,
- vii. Good governance, especially e-Governance and citizen participation,
- viii. Sustainable environment,
- ix. Safety and security of citizens, particularly women, children and the elderly, and
- x. Health and education.

#### **Smart City Features**

- i. Promoting mixed land use in area-based developments - planning for 'unplanned areas' containing a range of compatible activities and land uses close to one another in order to make land use more efficient. The States will enable some flexibility in land use and building bye-laws to adapt to change;
- ii. Housing and inclusiveness - expand housing opportunities for all;
- iii. Creating walkable localities - reduce congestion, air pollution and resource depletion, boost local economy, promote interactions and ensure security. The road network is created or refurbished not only for vehicles and public transport, but also for pedestrians and cyclists, and necessary administrative services are offered within walking or cycling distance;
- iv. Preserving and developing open spaces - parks, playgrounds, and recreational spaces in order to enhance the quality of life of citizens, reduce the urban heat effects in Areas and generally promote eco-balance;
- v. Promoting a variety of transport options - Transit Oriented Development (TOD), public transport and last mile para-transport connectivity;
- vi. Making governance citizen-friendly and cost effective - increasingly rely on online services to bring about accountability and transparency, especially using mobiles to reduce cost of services and providing services without having to go to municipal offices; form e-groups to listen to people and obtain feedback and use online monitoring of programs and activities with the aid of cyber tour of worksites;
- vii. Giving an identity to the city - based on its main economic activity, such as local cuisine, health, education, arts and craft, culture, sports goods, furniture, hosiery, textile, dairy, etc;
- viii. Applying Smart Solutions to infrastructure and services in area-based development in order to make them better. For example, making Areas less vulnerable to disasters, using fewer resources, and providing cheaper services.

Dr G Ranganath, Chairman presented the memento to the chief guest Dr E Bhaskaran . Er R Ramdoss , Honorary Secretary proposed the vote of thanks. Above 50 members were participated in this event.

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### TECHNICAL PROGRAMME FOR NOVEMBER 2017

Lecture: 6.00 p.m.

Venue: IE (I) Auditorium (*Unless mentioned otherwise*)

Tea: 5.45 p.m.

24<sup>th</sup>&25<sup>th</sup> Nov. 2017 **33<sup>rd</sup> National Convention of Electrical Engineers on "Hybrid AC/DC Power Systems for Effective Utilization of Renewable Energy" to be organized by IE(I) Tiruchirappalli Local Centre, BHEL Main Office Road, Tiruchirappalli – 620014.**

### FORTHCOMING EVENTS

21<sup>st</sup>-23<sup>rd</sup> Dec. 2017 **32<sup>ND</sup> INDIAN ENGINEERING CONGRESS** on theme "Innovation in Engineering : Competitive Strategy Perspective" at Le Royal Meridian, Guindy, Chennai - 600016.

20<sup>th</sup>&21<sup>st</sup> Jan. 2018 All India Seminar on "Technological interventions in total value chain of farming to double farm income"

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Posted on: 10<sup>th</sup> November 2017

Posted at: Egmore RMS (Patrika)

## Bulletin

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