



## IEEE India Council Secretary's Report – 2017

The India Council Executive Committee – 2017 comprises the following Members along with all Section Chairs as its ex- officio members of Execom-

Name	Office	Section
Prof. Sivaji Chakravorti	Chair	Kolkata
Prof. S.N.Singh	Chair Elect	UP
Mr. Deepak Mathur	Immediate Past Chair & In charge Chapter Activities	Gujarat
Dr. Preeti Bajaj	Secretary	Bombay
Mr. Anthony Lobo	Vice Chair, Membership Development	Bombay
Dr. S.M. Sameer	Treasurer	Kerala
Prof Debashish Guha	VC Conferences	Kolkata
Dr. Rajesh Ingle	Vice Chair, Awards	Pune
Dr. Atul Negi	Vice Chair, Educational Activities	Hyderabad
Mr. Puneet Mishra	Vice Chair, Industrial Relations	Banglore
Prof. Ramkumar	Vice Chair, Student Activities	UP
Dr. Satya	Vice Chair, Technical Activities	Bombay
Dr. Rajashree Jain	Vice Chair, WIE	Pune
Mr. Gitansh Anand	Vice Chair, Young Professionals Program	Delhi
Dr. M. Ponnavaikko	Ombudsman	Madras
Mr. HR. Mohan	Vice Chair, Professional Activities & Newsletter Editor	Madras
Dr. Suryanarayana Doolla	Webmaster	Bombay
Mr. Abhay Phanshikar	Conference Coordinator	Bombay
Dr. Jayakumari	Chair- IEEE Circuits and Systems Society Chapter (CAS04)	India Council
A. Shaligram	Chair- IEEE Chapter of Electronic Devices Society (ED15)	India Council
Dr. Deepak Bhatnagar	Chair- IEEE Microwave Theory & Techniques Society (MTT17)	India Council
Dr. Madheswaran	Chair- IEEE Oceanic Engineering Society Chapter (OE022)	India Council
Mr. Hitesh Mehta	Chair- IEEE Photonics Society Chapter. (PHO36)	India Council
Dr. Madheswaran	Chair- IEEE Solid Circuits Society Chapter (SSC 037)	India Council
Dr. Madheswaran	Chair- IEEE Education Society Chapter (ED25)	India Council
Mr. Q. bakir	Chair- Joint IEEE Chapter of Aerospace & Electronic Systems Society, and Communications Society (AES10/COM19)	India Council
Prof. Annappa Basava	Chair- IEEE Computer Society (C16)	India Council
Prof. A.K.Tripathy	Chair- PES chapter	India Council
Ex- officio	All IEEE Section Chairs of India	

### 1. MEETINGS

First time online meetings were introduced by India Council in addition to face to face meetings which has helped everyone to share presentations, updates, video chat and gave equal results as good as F2F meetings. Five Online Meetings were conducted courtesy Mr. Abhay Phanshikar. The Minutes of all 8 meetings held (5 online and Three face to face ) were circulated to the EC Members and duly approved. Online meetings helped all members to contribute equally as good as F2F meetings. Presentations,

updates were shared and contribution and active participation , and high attendance kept IC active and many important decisions were taken to strengthen the policies of IC.

### **Executive Committee Meetings held during 2017**

Online through Gomeeting:		F2F meetings		
S.N	Date	1	Chiba, Japan	5 March 2017 (On the sidelines of R-10 meeting)
1.	1 <sup>st</sup> January 2017	2	Kolkata	16 <sup>th</sup> April 2017
2.	5 <sup>th</sup> February 2017	3	Kochi	16 <sup>th</sup> July 2017 (on the sidelines of the Tensymp 2017)
3.	4 <sup>th</sup> June 2017	4	IIT Roorkee	Scheduled on the sidelines of INDICON 2017 at IIT Roorkee on 17 <sup>th</sup> December 2017
4.	17 <sup>th</sup> September 2017			
5.	12 <sup>th</sup> November 2015			

### **2. Highlights of IC Students Activities 2017:**

- A. Students volunteers committee formation:** 30 volunteers after screening 200 nominations have been selected who are working under different committees under YP Gitansh Anand and Prof. Ramkumar VC SAC.
- B. SB whatsapp Group:** Whatsapp group formed for all student branch chairs across India with constant support and guidance regarding functioning of SB and helpful for networking and peer learning.
- C. Branding at social media IC group :** Branding of India Council through Social Media channels like Facebook, twitter etc. has been enhanced by 35% growth in the outreach through the engagement.
- D. IEEE Google Program at Nagpur:** Google offered an Applied CS with Android -weeklong pilot program at G H Rasoni College of Engineering as requested by IEEE. 120 Computer Science pre-final year students of CS and IT department were trained in technical plus soft skills aspects and Training.
- E. IEEE Google Traning program at Google Bangalore :** 20 students (Bombay Section -03, Kerala Section -02, Pune Section -03, Gujarat Section -02, Hyderabad Section -02, Kharagpur Section -01, Delhi Section -03, UP Section -02, Madras Section -02) as nominated by the respective section Chairs have participated at Google developers Meet on 2<sup>nd</sup> and 3<sup>rd</sup> Sept at Bengaluru Google office.
- F. AISYWC 2017 AT IIIT Allahabad September 27<sup>th</sup> to 29<sup>th</sup>:** All India Student – Young Professionals – Women in Engineering Congress is the annual hallmark event of the IEEE India Council. This year, AISYWC was hosted by IEEE UP Section at the Indian Institute of Information Technology Allahabad, Uttar Pradesh from 27th to 29th September 2017.

Theme of this year AISYWC event was Imagine, Engineer, Enlighten, and Empower, which focused on developing efficiently engineered scalable solutions for the welfare of the society. Three days event witnessed distinguished speakers from industry, start-ups and R & D Organizations with 370 participants from all 11 sections networked and learned leadership, engaged in research and group activities.

- G. **MV Chavhan Contest:** 16 papers from various sections and very reputed institutions were submitted which went through blind review and final presentations are scheduled through skype. Prizes shall be announced and delivered during execom at IIT Roorkeea
  
- H. **Students participation at 'India Electronics Week 2017' at Bangalore:** IEEE India Council collaborated with EFY group to extend IEEE volunteer support for registrations, speaker's lounge, in the multi-disciplinary mega tech convention for 3 days with 100+ speaker, 65+ talks and 25+ workshops.
  
- 3. **IC Women In Engineering:** Women in Engineering Affinity group, IEEE India Council, initiated and successfully organized various activities for the benefit women in residing in the geography in line with the motto of WIE AG- Inspire, Encourage, Empower and Engage,
  
- A. **IEEE WIE ILS Goa 2017 :** IEEE WIE International Leadership Summit 2017 which was conducted in Goa by Goa Engineering College with technical support by IEEE India Council along with Bombay section at Bogmallo Beach Resort, Goa, India from July 13th-15th, 2017 with the theme ' Disrupt - Breaking the barriers of thought'. The summit had four tracks, namely, 'Advance Entrepreneurship', 'Leadership', 'Community Design & Art' and 'Innovation and Technology'. IEEE WIE ILS Goa 2017 was the confluence with over 300 participants from 7 countries, and 69 speakers representing 29 corporates or organizations.
  
- B. **IEEE WIE Workshop, TENSYP 2017:** An IEEE WIE WORKSHOP was conducted during TENSYSMP 2017 at Kochi India on 15<sup>th</sup> July 2017. Dr Celia Shehanaz, WIE Coordinator, R10, 2016, Dr Rjashree Jain Vice Chair, WIE AG, IEEE IC, Dr Surekha Deshmukh, IEEE Pune and Ms. Deepika , from CISCO India shared their expertise with the gathered audience of the symposium. A panel discussion on Women Empowerment was also arranged during the workshop in association with WIE Kerala and WIE Workshops subcommittee.
  
- C. **WIE Track at AISWYC 2017:** WIE Track during AISYWC 2017, on 28<sup>th</sup> -29<sup>th</sup> September 2017 at IIIT Allahabad was conducted successfully. Key notes, panel discussions, competitions were organized as part of WIE track. Some of the mention-able Speaker

names are; Dr. Sharmila Mande, Chief Scientist and Head of the Bio-Sciences R&D Division at Innovation Labs of TCS Ltd, Prof. Jharna Majumdar, Dean R & D, Prof. Comp Sc. & Engg. at Nitte Meenakshi Institute of Technology, Ms. Riddhima Dua, Founder Director IFlame consulting and Ms Garima Vishal. Dejawoo Schools.

**D. WIE awards with HOPE Foundation:** Hope Foundation and Research Centre (Hope Foundation) has instituted two awards for IEEE WIE members of India two awards - Best WIE Student (final year) and Best WIE Engineer (early career) which is approved by IEEE IC in association with IEEE Pune Section. The award money is Rs 1,25,000/- with a medal and a citation.

**4. IC Young professional Activities :** Young Professionals Track in AISYWC 2017 has been conducted wherein 80+ participants from PAN India participated and networked and discussed on disrupt ideas. The track received 900 USD funding from R-10 and STEP.

**5. Technical Activities**

The proposal from IC for USD8000 being submitted with the title as 'Furthering Indian Perception of IEEE' under 2017 IEEE foundation Grants Program which has theme as 'Raise awareness and understanding of Science & Technology and their potential to address a global challenge'.

**6. Industry Activities:**

A. Electronics Makers 2017: A Two-day Conference entitled 'Electronics Makers 2017' was jointly organized by Industry Relations-IEEE India Council, Centre for Embedded Product Design, Centre for Electronics Design & Technology, NSIT, in Association with IEEE-CAS, Bangalore Chapter on July 1-2, 2017 at NSIT, New Delhi. Few talks covered Keynote by Director IIT Delhi Dr. Ramgopal Rao on 'Bridging Academic R&D with Product Innovation - a few case studies and a way forward' on nanotechnology, Dr. Prabhat Ranjan, executive director of TIFAC-CORE (DST). Two panel discussions were also arranged on "From DIY to Make In India - A Leap of Faith" and on Project based Engineering Education for "Make in India". A hands-on workshop was conducted by Texas Instruments, India entitled Microcontroller Learning Platform on a Shoestring Budget using MSP430 LunchBox, Beaglebone and Linux - Open-Source Hardware and Software for DIY and a workshop on VXWorks were the highlights of the conference. More than 100 delegates attended the program and Demos and presentations of 15 selected projects were made.

B. **Webinar:** India Council-industry Relations Vice Chair Mr. Puneet Mishra has organized one of its own kind a webinar on Business opportunities from Subsystem design to satellite building on October 29 from 5PM to 7PM which got huge success with more than 1500 registrations. More than 1000 people attended the webinar and actively participated during the Q&A. Nearly 50%

attendees were from Industry. It was noted that such activity can be a major source of revenue generation for IC in future.

7. **Conferences Organised during 2017:** Following conferences were organised during 2017 and few were approved for 2018.
- A. Second IEEE conference on Emerging Devices and Smart Systems (ICEDSS 2017) was conducted during March 3-4, 2017 at Mahendra Engineering College, Tamilnadu, India under IEEE India EDS chapter.
  - B. 2017 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT) ( 40222 ) held at IITD under India Council SSC Chapter
  - C. IEEE Photonics Society, India Council PHO Chapter, Office of Naval Research Global-ONRG and Mahindra Ecole Centrale organizing '2017 IEEE Workshop on Recent Advances in Photonics (WRAP)' to be held on or about 18-Dec-2017, in Hyderabad, India.
  - D. INDICON 2017: With rising popularity of INDICON, IEEE India Council's signature event, the 14th edition of the conference, INDICON-2017, is organized by IEEE Uttar Pradesh Section at IIT Roorkee, Roorkee, Uttarakhand during 15<sup>th</sup> -17<sup>th</sup> December 2017. The 2017 edition of the conference has included Green Technology in continuation of regular tracks of the conference. The general Chairs of the INDICON 2017 are Professor S.N. Singh, VC, MMMUT, Gorakhpur and Prof. Sibam K. Koul, IIT Delhi and Steering committee Members are Prof. J. Ramkumar- Chair IEEE UP Section, and Chair IEEE Roorkee subsection –Prof. A. Patnaik.

**Approved for 2018**

- E. India Council SSC Chapter and Kongu Engineering College, Bannari Amman Institute of Technology 2018 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT) to be held on or about 10-Jul-2018, in Bengaluru, India
- F. Uttar Pradesh Section, India Council Computer society Chapter, Uttar Pradesh Section PE/IA Joint Chapter and Galgotias University, 2018 International Conference on Computing, Power and Communication Technologies (GUCCON) to be held on or about 28-Sep-2018, in Greater Noida, Uttar Pradesh, India

- G. India Council CAS Chapter and Saintgits College of Engineering are organizing 2018 International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET) to be held on or about 21-Dec-2018, in Kottayam, India
- H. India Council ED Chapter, Mahendra Engineering College, 2018 Conference on Emerging Devices and Smart Systems (ICEDSS) to be held on or about 02-Mar-2018, in Tiruchengode, India
8. **Chapter Activities:** In addition to continuing streamlining chapter activities, this year chapter Chairs were added into IC group email id so as to keep them updated about IC activities and also invited for meetings.
9. **Major decisions :**
- A. Nomination in Engineering Council of India: It was resolved that henceforth in Engineering Council, current Chair and Chair Elect shall be deputed without any financial implications on IC.
- B. “Resolved that the approval of the council executive committee members be and is hereby accorded to transfer the bank account of IEEE India Council having account at HDFC bank, Chennai 600061, Tamilnadu to HDFC bank (“bank”), WTC Branch, Bengaluru, Karnataka 560055 with no change in the authorized account signatories or the way in which the account was being operated.” **“Resolved further that** the bank to use the address of IEEE Bangalore office:
- C. **INDICON logo** : The signature event of IEEE India Council INDICON the flagship conference whose popularity is increasing day by day was due for its logo since long. IC has finalised its logo and given an identity to its signature event.
- D. **New Website of India Council** : The website of India Council was upgraded to Wordpress from the conventional EWH server. The new website is attractive and user-friendly. This migration gives the flexibility to maintain and host a series of plug-ins, which IEEE has built for the benefit of members. Dr. Suryanarayana Doolla volunteered himself for Webmaster.
- E. **e-Notices:** For the benefit of members (IEEE India) and avoid spamming for conference notices, IEEE IC has taken a policy decision pertaining to sending e-notices regarding conference/symposia. This policy allows the conference organizers to reach out IEEE India members with limited information (digest mode). Such broadcasting would be done three times for each conference in the first week of each month.

F. **News-Letter of India Council:** It was decided to bring out the IEEE India Info, the newsletter of the India Council newsletter once again on quarterly basis. Mr. HR Mohan Vice Chair Professional Activities has volunteered himself for retrieving newsletter of IC and accepted as and NL Editor of IC. Accordingly, in this year(2017) three issues for the quarters Jan-Mar, Apr-Jun, Jul-Sep have been published featuring the major events held in various Sections, Affinity Groups, Society Chapters along with articles of current interest topics from experts in respective areas. The fourth issue for the period Oct-Dec 2017 is under preparations and Oct-Dec issue is in pipeline. All the published issues have been posted to the members of the India Council through eNotice. Further, the issues are also hosted at the India Council website at <http://sites.ieee.org/indiacouncil/newsletter/>

**10. IEEE Events of significance to members all India, held during 2017**

- A. R-10 Directors address to IC Execom : R-10 Director has attended and addressed India Council 6<sup>th</sup> meeting at Kochi during sidelines of the Tensymp-17 on 16<sup>th</sup> July 2017.
- B. 40 years of Bombay section: Bombay Section has celebrated 40 years of its formation
- C. 40 years of Bangalore section: Bangalore Section has celebrated 40 years of its formation
- D. Tensymp 2017 in India: R-10 Conference was brought to India and conducted successfully by Kerala Section at Kochi.
- E. India Adhoc committee on India Strategy : On 16<sup>th</sup> January 2017, an adhoc committee was established by IEEE 2017 President Karen Bartleson. IC Chair and Secretary are part of it. Few objectives are enhancing coordination between IEEE OUs in India and improvements and reconfiguration of existing capabilities in India, meeting needs of India etc
- F. The India Strategy of MGA SDEA by R-10 and MGA : This is under implementation for 2017-2018. Three committees are formed to cater the needs of India – Internship portal development, entrepreneurship and retention.

**11. Membership snapshot : IEEE INDIA COUNCIL MEMBERSHIP DEVELOPMENT HIGHLIGHTS 2017 (upto Oct 31, 2017)**

The ratio of high grade members to total for IEEE is 83% wherein the same for R-10 is 68% and for India is 40%. The ratio of Student members to total numbers for IEEE is 17% wherein the same for R-10 is 32% and for India is 60%. The ratio of senior members to Lifemembers and members together for Global IEEE is 21% wherein the same for R-10 is 18% and that of India is 20%.

India Council sections continue to occupy the top five positions in R10 along with Beijing and Tokyo Sections as of the October MDC report for R10. Among the 55 Sections across the world which met both Recruitment and Retention goals 10 sections were from R10 while Bombay, Gujarat and Kerala achieved this distinction from India Council.

Membership	H	LF	F	LS	SM	LM	M	AM	GSM	Higher Grade Total	StM	Grand Total
Oct 2016	2	65			2096		11906	419	4882	19370	25828	45198
Active Oct 2017	1	24	47	131	2183	30	12093	450	4667	19626	28918	48544

## 12. IEEE India Council Awards Program

IC has initiated two awards in 2015 – One for IEEE India Council Outstanding Student Branch award and second for IEEE India Council Outstanding Volunteer award.

In 2017, For Outstanding volunteers, total 45 nominations were received, in which 12 were invalid and out of 32 valid entries, two have been declared as Outstanding volunteers- Dr. Vijay Bhaskar Semwal (IEEE Membership Number: 93398659) of UP Section and Subhransu Ranjan Samantaray (IEEE Membership Number: 90483659) of Kolkata section.

Similarly for the IEEE India Council Outstanding Student Branch Award, out of 35 student branches, which have been nominated by sections, 02 entries were invalid. Out of 33 valid nominations, Student Branch of G. H. Raisoni College of Engineering, Nagpur (STB 62361) under Bombay Section declared as Winner of Outstanding Branch.

The Winners of the both the Awards shall be presented during Execom at the sidelines of INDICON 2017 at IIT Roorkee.

## 13. Individual volunteers and Sections from India had a significant presence in the R10 and Global awards for 2017.

**A.** Following sections could get 2017 R10 MD incentive grants of US\$ 250 for first position, US\$ 200 for second position and US\$ 150 for third position.

- i. For Recruitment** Kerala Section was at second position and did exceptionally well and exceeded the goals set by HQ.
- ii. For Senior Member Elevations** Uttar Pradesh Section stood Second followed by Bombay Section at Third position
- iii. Under Student Member promoted to Young Professionals** Bombay Section got First position followed by Uttar Pradesh Section at third position

**B.** Outstanding Large Section Award: **IEEE Madras Section** received the award in recognition and appreciation of valued services and contributions.

**C.** IEEE Women in Engineering Committee (WIEC), the recipient of an Honorable Mention for the 2017 WIE Inspiring Member Award is Mrs. Vijaylatha from Hyderabad section.



- D.** Outstanding Volunteer Award:**Dr. Koduri Srinivas** in recognition of outstanding contribution and services to IEEE Hyderabad Section and IEEE Region 10.
- E.** YP Outstanding Volunteer in Industry Award: **Bibin Parukoor Thomas** in recognition of leadership and contributions to YP industry program in IEEE Kerala Section
- F.** SAC Volunteer Award: **Prof. Rachana Garg** in recognition of leadership and contributions to R10 SAC programs.
- G.** WIE Outstanding Professional Volunteer Award: **Prof Sunitha Beevi K.** in recognition of leadership for Professional WIE.
- H.** WIE Outstanding Student Volunteer Award: **Ms. Shaik Suraiah Thaseen** in recognition of leadership for Student WIE.

## 11 **Slate for 2018**

The nomination Committee for the year 2018 was formed by IEEE IC Chair as per by-laws of IC. The Committee, after deliberations has recommended that the existing slate of India Council Executive Committee 2017 would continue for one more year. We are grateful to the members of the Nomination Committee for their support and confidence.

## 12 **Liaison with IEEE India Office**

Mr Harish Mysore, Director IEEE India Office in Bangalore, continues his close association with the activities of India Council and is regularly present at EC meetings. India Council acknowledges the various efforts of IEEE India Office which have added value to members in India.

## 13 **ACKNOWLEDGEMENTS:**

I wish to place on record my sincere thanks to the IC Chair, Section Chairs, all IC Vice Chairs and Executive Committee Members, Ombudsman, Editor IC Newsletter, Webmaster, Office bearers of various IC Chapters of IEEE Societies, IC and Section volunteers, Mr. Abhay Phanshikar who have worked hard through out the year and helped us in organising meetings, conducting events and taking India Council to new level.

Preeti Bajaj  
Secretary, IEEE India Council