



## Message from Dr. Koduri Srinivas, Chair, IEEE Hyderabad Section

Dear Esteemed Members,

Greetings. I compliment the efforts of our Editor-in-Chief Dr. Laxminarayana Karre and Editor Mohammed Arifuddin Sohel that resulted in the release of our section newsletter "Synapse" after a long gap. I also congratulate our Vishakhapatnam Subsection slate that has recently assumed charge under the Chairmanship of Dr. S. Lakshminarayana. Getting good volunteers is always a challenging task for any nomination committee and I do hope that we have a team of good volunteers for Guntur subsection shortly. I am confident that this is a step in right direction to reach out to our members in other areas of our section.

I am pleased to note that R10 Director Sri Ramakrishna Kappagantu, and few other representatives from R10 were kind enough to address the section executive committee at Hyderabad during March. I am also happy to note that Dr. Amit Kumar conducted Conference Organizers Workshop on April 25 at Hyderabad, with attendees drawn from almost all sections in India. I do hope that initiatives such as these will further our relationship with volunteers from other geographic units including R10, IEEE India Council and other sections of our country.

This year we are having **five IEEE international conferences at Hyderabad** pertaining to International Parallel and Distributed Symposium (May 2015), Commercial Power Systems/ Petroleum and Chemical Industry Conference by IAS chapter, PrimeAsia from CAS Chapter, IMarc from MTT Chapter and Global Wireless Systems. There are not less than 40-50 trend setting tutorials, some of which might have never made it to Asia thus far. I take this opportunity to appeal to research scholars and practicing professionals to participate very actively and benefit from the deliberations of these conferences.

Section has been striving hard to encourage technical activities in its 96 student branches spanning Telangana and Andhra Pradesh states. We roped in four very dynamic zonal student activities coordinators for Vizag, Warangal, Hyderabad and Ananthapur zones to assist Prof. Vijayalatha our SAC Chair. She is also being assisted with a team of student network representatives to better the coordination. I request IEEE student branch volunteers to leaf through our Secretary reports of the last five years that are posted on our section website which detail chapter wise activities. It should be very easy for our student branches to identify experienced resource persons to deliver technical talks at their colleges. They may subsequently approach either the section or any of our chapter chairs for conducting the event.

With warm regards and best wishes  
Srinivas Koduri

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## Meeting of IEEE Execom with Dr. Ramakrishna Kappagantu, Director, IEEE Region 10

The IEEE Hyderabad section had an opportunity to meet and interact with Dr. Ramakrishna Kappagantu, Director, IEEE Region 10 when he visited Hyderabad on 5<sup>th</sup> March 2015. The meeting was held at Hotel Kamat Lingapur.



Ramakrishna Kappagantu, Director, IEEE Region 10 with Koduri Srinivas, Chair, IEEE Hyderabad Section and Rajneesh Gupta.

He stressed that it is important to add value to the IEEE experience and enhance member benefits. He also discussed about strengthening the connect with Industry, Research & Academia and specifically focus on young professionals and students, facilitating student Internship / entrepreneur programs and improve student retention. He had a one to one interaction with all section members and assured full support for section activities.



Ramakrishna K. with execom members of IEEE Hyderabad Section

## Annual General Body Meeting (AGM -2015)

The IEEE Hyderabad Section Annual General Body Meeting for the year 2015 was held on Saturday, January 30, 2015 at Hotel Kamat Lingapur. There was a Hi-tea, Networking and Poster Session from 4.30 PM to 6.00PM in which all the chapters and affinity groups of the section highlighted the activities conducted in the year 2014. The AGM started at 6.00 PM with Chairman Address by Dr. Koduri Srinivas which was followed by Secretary's report by Dr. Krishna Nagarajan.



Dr. Koduri Srinivas, delivering the chairman's address. Also seen are Dr. Amit Kumar, Dr. M. Laxminarayana, Dr. Krishna Nagarajan

The financial report for year 2014 was presented by Dr. Amit Kumar, Treasurer, IEEE Hyderabad Section. There was a brief question and answer session in which matters related to technical sponsorship of International conferences by the section were discussed. This was followed by Awards/Certificate presentation ceremony and the announcement of slate by the nominations committee for section executive committee 2015 and the administrative committees of chapters and affinity groups 2015.



Dr. Atul Negi and Dr. N.V. Rao of the nominations committee announcing the new slate

The new committee took over the charge and chairman addressed the members. The resolution for change of signatories was passed and the meeting ended with vote of thanks. Dinner was arranged for the members. Around 250 members participated in the AGM.

**Conference Organisers workshop (COW – 2015)**  
Organised by IEEE India Council and sponsored  
by IEEE Hyderabad Section

3<sup>rd</sup> Edition of Conference organizers workshop was organized on 25<sup>th</sup> April 2015 at TCS Deccan Park Office in Hyderabad by IEEE India Council in Collaboration with IEEE Hyderabad Section. This event has been one of its kind and a very special in India and Region 10. The event marked another history by attracting attendees from most of the Indian geography and created a forum of discussion and knowledge gathering on Conference Best Practices. The event was supported by IEEE MCM Team of IEEE Headquarters. This workshop was very well attended; it received positive feedbacks, encouraging responses and comments after the programme, around 70 participants attended this programme. Apart from the nominations from several leading academics like IITs, NITs we received participation from top Industries like TCS, Oracle etc. Most of IEEE Indian Sections came forward to support this workshop financially and nominated their members to participate in this timely event. It seemed most of the attendees were infact waiting for a workshop like this. The event was managed professionally, it started and finished dot on time.

This workshop was designed to serve the needs of the IEEE conference organizer, for them to know "Best Practices", through education, discussion, and access to experts. It is a forum that enables a voice for the organizer community, to learn about and discuss conference issues with industry experts, and the peers. This event is similar to the Panel of Conference organizers (POCO) workshop organized annually by MCM of IEEE.

This event was comprised of talks from experienced IEEE Conference Organizers and panel discussions with focused sessions and opportunity for participants to exchange ideas, success stories and challenges with other trained and experience IEEE Conference organizers. Issues like ethical practices, Publications in IEEE Conferences and Journals, Conference best practices etc. were discussed.

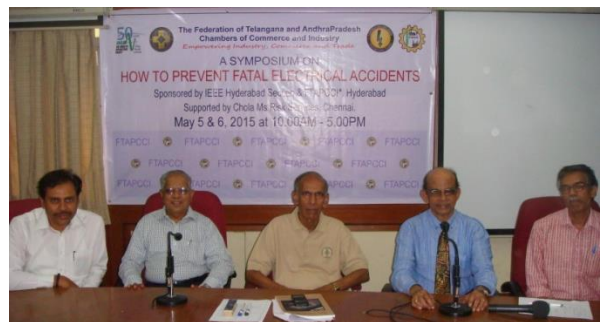


Participants of COW-2015 at TCS Deccan Park, Hyderabad

**A symposium on  
"How to prevent fatal electrical accidents"**

A two-day symposium was organised by IEEE Hyderabad Section & FTAPCCI, Hyderabad on May 5-6, 2015 at Hyderabad, with support from Chola Ms. Risk Services at JSK Hall, FTAPCCI, Hyderabad. There were 45 participants, representing most of the stake holders. This included Distribution Companies (DISCOMS), Government Electrical Inspectorate, Contractors, Farmer organisations, Electricians union, Electricity workers union, Technician Trainers, IEEE and other professionals. There were presentations on safety regulations, earthing practices, safety audits, behavioural aspects of safety, problems faced by DISCOM employees and field issues in rural areas. Sufficient time was given for discussions on the above and interventions, many of which were in Telugu and included economic, social and non-technical issues. This helped all participants to learn their concerns and experiences from each other and develop ideas on working to reduce fatal electricity accidents.

Discussions at the end of first day and a panel session on second day helped to consolidate and prioritize the ideas and suggestions. It was decided that we should approach and seek the involvement of different stake holders like DISCOM, Government Electrical Inspectorate, Central Electricity Authority, Training institutes, Workers unions, Engineers association, Farmers associations and State Electricity Regulatory Commission with several suggestions. The job of reducing fatal electrical accidents is not going to be done by occasional symposiums. We should take follow up implementation and review. For this a forum on electrical accidents and safety involving all parties could be set up and run.



Concluding session panel



A part of the participants

## IEEE ComSoc Chapter events listing Comsoc Industry Outreach

One of IEEE Communications Society's focus areas is industry outreach – getting greater involvement of companies involved in communications technology in ComSoc. Towards this, we had a visit from Bruce Worthman, Director of Conferences, IEEE Communications Society, New York, USA; and Munir Mohammed, Program Specialist, IEEE India. The team, along with Hyderabad Execom members, visited and met representatives from a few companies in Hyderabad, including Amazon, Qualcomm, and Redpine Signals.

### Technical talk: "Toward Internet of Everything: IoT, CPS, and SNSS"

This technical talk was held in IIT, Hyderabad on 30<sup>th</sup> January and repeated at the Section AGM on 31<sup>st</sup> January. The Speaker for the talk was Dr. Ram D. Sriram Chief, Software and Systems Division, Information Technology Laboratory, National Institute of Standards and Technology, Gaithersburg, MD. The lecture was about the revolution happening in computing and communications where the next generation of networks will utilize a wide variety of resources with significant sensing capabilities. Such networks will extend beyond physically linked computers to include multimodal-information from biological, cognitive, semantic, and social networks. This paradigm shift will involve symbiotic networks of people (social networks), smart devices, and smart phones or mobile personal computing and communication devices that will form smart net-centric systems and societies (SNSS).

### AG Bell Memorial Lecture

The Fifth Alexander Graham Bell Memorial Lecture, the annual flagship event of the Comsoc/SPS joint chapter, was held on 5<sup>th</sup> March at IDRBT. The speaker was IEEE Fellow Prof. Ranjan K. Mallik, who spoke on Optimal Signaling for Multi-Level Amplitude-Shift Keying with Single-Input Multiple-Output and Non coherent Reception.

### Comsoc Colloquium 2015

The Comsoc chapter of IEEE VBIT-Student Branch in collaboration with IEEE Comsoc /SP joint chapter Hyderabad Section has taken immense pleasure in conducting the Comsoc Colloquium on 14<sup>th</sup> March, 2015. VBIT has had the privilege to host such a prestigious event which comprised participants coming down from different colleges all across the state. Esteemed and high profiled speakers who held important positions in the communications industry have addressed the session. The main motto of the

event was to provide a stimulating platform to enthusiastic and ardent students to interact with the scholarly experts who can provide them with perks and statistics of the industry and allow them to share their knowledge.

The event involved three consecutive sessions which were presided namely over by Dr. Kasyapa Balemarthy (R&D at OFS Optics and Secretary at IEEE Comsoc /SP Hyderabad Section) who spoke about Digital Communications: Technology that powers gen-Y lifestyle and attributes an Electronics and Communications Engineer must possess, the session was continued by Mr. Sanjeev Nimishakavi (DSP Firmware Lead at Qualcomm India and Treasurer at IEEE Comsoc /SP Hyderabad Section) who lectured on Channel Coding, source alphabet and errors regarding channel coding which was very informative and the last lecture by Mr. N. Venkatesh (Vice President, Red pine signals and Chair at IEEE Comsoc /SP joint chapter Hyderabad Section ) who addressed an interactive session on Joining the Electronics Industry and the career prospective of an Electronics and Communication graduate . All the sessions were highly informative and rubbished all the stigma and doubts in the students' minds.

The lectures were received very pragmatically and positively by the students. A large crowd of 130 participants has turned up for the event that eagerly and keenly followed the sessions. The event proved not only to be a technical one but also interactive through the ice breaking sessions and due to the jaunty attitude of the speakers, which aided in making it a huge success.



Inaugural Session of Comsoc Colloquium



Comsoc Executive committee during Comsoc Colloquium

## IEEE MTT/AP/EMC-S Chapter events listing Distinguished Lecture program

A Distinguished Lecturer Program was organized by IEEE Student Branch of Vasavi College of Engineering in association with IEEE MTT/AP/EMC-S Chapter between on 2<sup>nd</sup> February 2015. Dr. Shibhan K. Koul, Deputy Director (S&P) and Professor, Centre for Applied Research in Electronics, Indian Institute of Technology Delhi, delivered a technical talk on **Circuit to System Level Practical Microwave Education**. A Total number of 235 participants attended the DLP which includes professional and student members and Researchers.

## IEEE AP-S Distinguished Lecture program

IEEE AP-S Distinguished Lecture on **Design, Analysis, and Applications of Waveguide-Fed Slot Arrays** by Sembiam R. Rengarajan, Ph.D., Professor, Department of Electrical and Computer Engineering; California State University was held on 9<sup>th</sup> April 2015 from at IETE CONFERENCE HALL.

## Technical talks by eminent speakers

Dr. S. K. Koul, IIT Delhi, gave a technical talk on **MEMS and its Applications** at Matrusri Engineering College, Saidabad-HYDERABAD on 2<sup>nd</sup> February 2015. Around 155 students participated in this talk.

Dr. Prasad S Gogineni from The Center for Remote Sensing of Ice Sheets (CRISIS), University of Kansas, USA, gave a technical talk on **RADAR Instrumentation for Polar Research: Status and future**, on 19<sup>th</sup> March 2015, at ECE department, College of Engineering, Osmania University.



Dr. Prasad Gogineni with Dr. Koduri Srinivas, Chair IEEE Hyderabad Section and Dr. M. Laxminarayana, Vice Chair IEEE, Hyderabad Section

Dr. Nukala Srinivasa Rao, Chairman-MTT/AP/EMC-S Chapter gave two technical talks on **ADSP, DSP Architectures and Remote sensing applications** for the benefit of Students at Stanley Womens Engineering college. This occasion also marked the

inaugural of IEEE Student branch at Stanley Womens Engineering College.

Dr. Tian-Wei Huang, Professor, Electrical Engineering Department, National Taiwan University, Teipie, gave a technical talk(DML) on **Smart RFIC: Millimeter-wave Gigabit Transceivers with Digitally-enabled Built-in Self calibration and Auto-switching Functions**. This talk was organized at vasavi Engineering college on 26<sup>th</sup> March 2015 at 10.30 AM. Dr. Huang also gave a repeat lecture at IETE-Hyderabad, on the same date at 6.00 PM.



Dr. M. Laxminarayana, Vice Chair, IEEE Hyderabad Section presenting a memento to Dr. Huang. Also seen Dr. Nukula Srinivasa Rao, Chair IEEE MTT Chapter and Dr. K. Jayashankar.

## IEEE PES/PELS/IAS Chapter events listing Technical Lecture

The IEEE PES / IAS / PELS Joint Chapter, Hyderabad organised technical lecture on Selecting correct HT Circuit Breaker on Wednesday 18<sup>th</sup> March 2015 at Muffakham Jah College of Engineering and Technology. Mr. S.Santosh Reddy, Sr R & D Engineer, Powell Industries, Houston, USA gave the talk which focused on interrupting ratings with a basic introduction of short circuit current waveform.



Mr. S. Santosh Reddy, Powell Industries, USA, giving the technical talk

## IEEE CAS/ EDS Chapter events listing Distinguished Lecture Program

The joint chapter of IEEE Electron Devices and Circuits and Systems societies(ED/CAS)Hyderabad Section, organized a Distinguished lecture program by Dr. Rajiv V. Joshi, Researcher, T.J. Watson Research Center, IBM, USA . The lecture was held at two venues spread over different geographical locations across the Hyderabad City for the benefit of the IEEE student members and host institutes.

Dr. Rajiv presented a lecture on **“Technology and circuit Co design for power reduction in nano scale era”** at Vasavi Engineering College on 23rd January 2015 in the morning session. An audience of about 150 participants from varied backgrounds like industry professionals, Ph.D Scholars, postgraduate and undergraduate students were present. Dr. Joshi addressed on nanometer design challenges with special focus on planar and non planar devices. He also elaborated on impact of technology on process variations, and reliability issues arising thereof. Finally, he addressed on low power design techniques employed in circuits for logic, Memory and with special focus on SRAM. The lecture was followed by a very interesting session of question and answers. The audience was very keen in design aspects of Fin FETS especially on the tri gate structure of fin FETS and their applications.



Dr. Rajiv Joshi during his distinguished lecture



Dr. Rajiv Joshi with IEEE ED/CAS Execom and other participants of the lecture

The second lecture on the same topic was held on 24<sup>th</sup> January at BITS Hyderabad Campus and Dr. M.B. Srinivas, Immediate past chair of IEEE CAS/EDS Chapter was the host. There were about 80 participants in this session and Dr. Rajiv interacted with the research scholars of the campus. He then visited the various laboratories and campus facilities and was particularly impressed by the infrastructure in the

campus. This was the first distinguished lecture organised by IEEE EDS/CAS chapter of Hyderabad Section after its inception three years back in 2012.

## Technical Talks by Eminent Speakers

The IEEE CAS/EDS Chapter organised a technical talk on “Mapping Algorithm to Architecture for Constraint-Driven Systems” by Dr. Pramod Kumar Meher, Senior Research Scientist, Nanyang Technological University, Singapore on Saturday 28 February at BITS Hyderabad in morning session and Osmania University in evening session. Dr. Meher is also the chair of IEEE CAS Singapore chapter and in his talk he briefed about the mutually conflicting behavior of design constraints and the impact of interconnect-delay in nanostructure system design, He also discussed leakage power and the consequent need of right architecture to minimize the energy consumption and the scope for algorithm-architecture co-design for achieving the desired timing performance, chip-area and energy-consumption.



Dr. P.A. Govindacharyulu, Chair IEEE CAS/EDS Chapter presenting a memento to Dr. P.K. Meher.

The IEEE CAS/ED Chapter in collaboration with IEEE MJCET Student branch organised a technical talk on “Nanotechnology – Promises and Reality” by Dr. M. Ghanashyama Krishna, Professor, Centre for Advanced Studies in Electronics Science and Technology, School of Physics, University of Hyderabad on 16<sup>th</sup> April at MJCET. He highlighted the basic issues in nano science and Technology and the areas in which nanotechnology has lived upto the early promise discussed about the future challenges. He discussed about the ongoing research at University of Hyderabad and also about the internship program for students at UoH.



Dr. Kaleem Fatima, Vice Chair, IEEE CAS/EDS Chapter presenting a memento to Prof. Ghanashyama Krishna

**List of Executive committee members of IEEE Hyderabad Section/ Chapters/ Councils and Affinity Groups**

**Section Executive Committee**

Chairman	Koduri Srinivas	Scientist, NRSA (Retd)	41274471
Vice-Chairman	Lakshminarayana Merugu	Scientist H, DLRL	573006
Secretary	Madhumita Chakravarti	Scientist F, RCI	80401554
Treasurer	Amit Kumar	CEO, BioAxis DNA Research Centre Pvt Ltd	90732008
Member	Satish Chaparala	Retd. IDPL	6807036
Member	Mohammed Osman	Project Management Consultant	80455277
Member	PVS Maruthi Rao	Vidcentum R&D Pvt Ltd.	41249040
SAC	Y Vijayalata	GRIET	
IRC	Rajarshi Mahapatra	Rockwell Collins	

**Computer Society Chapter**

Chairman	Sudhakar Kolluru	TCS	93031723
Vice-Chairman	S Bhattacharya	Consultant	
Secretary	G R Gangadharan	IDRBT	90530299
Treasurer	Vinit Kumar	TCS	92020956

**PES/IAS/PELS Society Joint Chapter**

Chairman	Ramaswamy Balasubhmanian	G. Narayanamm a College of Engg.	7600737
Vice-Chairman	Valluri Srinivas	Director, Synergy Infra	92197392
Secretary /Treasurer	K.Santosh Kumar	BSNL	92146216

**COMSOC/SP Society Joint Chapter**

Chairman	N. Venkatesh	Redpine Signals	41506407
Vice-Chairman	GVV Sharma	IIT Hyderabad	90539415
Secretary	Kasyapa Balemorthy	OFS Optics	90286547
Treasurer	Sanjeev Nimishakavi	Qualcomm	80250684
Member	D Naga Raju	Matrusri Engineering College	92937395

**MTT/AP/EMC Society Joint Chapter**

Chairman	Nukala Srinivasa Rao	Matrusri Engg.College	85017068
Vice-Chairman	Yogesh Kumar Verma	DRDL	90392860
Secretary	D. Rama Krishna	ECE Dept, OU	92130488
Treasurer	K. Yedukondalu	BRECEW	91083374

**WIE Affinity Group**

Chairperson	A. Swarna Bai	Scientist E, RCI	90356439
Vice-Chairman	Vijayalakshmi Biradar	Vignan Institute of Technology and Science	92478983
Secretary	M. Sowmya	HCL	92110418

**Young Professionals Affinity Group**

Chairman	Manohar Sharma Madiraju		90807790
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Vice-Chairman	Venkata Sai Ram T	Food Corporation of India	
Secretary	Fazil Sajeer	Qualcomm	90292082
Treasurer	Vineet Kumar	TCS	92020956
<b>Computational Intelligence Society Chapter</b>			
Chairman	Atul Negi	University of Hyderabad	3803707
Vice-Chair	Bapi Raju	University of Hyderabad	41291096
Secretary /Treasurer	N Yadaiah	JNTUH College of Engineering	80356774
<b>Education Society Chapter</b>			
Chairman	Ravi Shankar	TCS	92134939
Vice-Chair	Syed Musthak Ahmed	S R Engineering College, Warangal	80394326
Secretary	Venkatesh Choppella	IIIT Hyderabad	92015287
<b>Photonics Society Chapter</b>			
Chairman	Jagannath Nayak	RCI	90843547
Vice-Chairman	P. Venkata Ramana	Vasavi College of Engineering	
Secretary	K. Indusekhar	RCI	92486559
Treasurer	Pradeep Kumar	RCI	92530547
<b>CAS/EDS Joint Chapter</b>			
Chairman	P. Govindacharyulu	Vasavi College of Eng. Hyderabad	40152076
Vice-Chairman	Kaleem Fatima	M J College of Engg., Hyderabad	41424639
Secretary /Treasurer	Mohammed Arifuddin Sohel	M J College of Engg., Hyderabad	90871309
<b>Technology and Engineering Management Society</b>			
Chairman	Srinivas Jasti	TCS	41250549
Vice-Chairman	Jose R	TCS	91129303
<b>IEEE Vizag Bay Sub Section</b>			
Chairman	S. Lakshminarayana	Principal Scientist, NIO, Visakhapatnam	
Vice-Chairman	Abraham Varghese	Scientist-G, NSTL, , DRDO, Vizag	
Secretary /Treasurer	TSN Murty,	Assistant Professor, JNTU, Vijayanagar am	
Members	K. Lakshmi Prasad	Principal, GITAM, Rushikonda	
Members	K.V. Sriram	Executive Director, Andhra Electronics Limited, KAKINADA	

# 2015 IEEE IAS Joint Industrial and Commercial Power Systems/ Petroleum and Chemical Industry Conference

19-21 November 2015 Hyderabad, India

Organized By IEEE Hyderabad Section IAS / PES / PELS Chapter

## TECHNICAL CO-SPONSORS:

1. IEEE Industry Applications Society (supported by I&CPS Committee, PCIC)
2. Asia Power Quality Initiative [www.apqi.org](http://www.apqi.org)

## CALL FOR PAPERS

In Asia we have well established periodical conferences in utility size power systems and power electronics subjects. There is however no conference in the area of industrial applications of electrical systems. The 2015 IEEE IAS Joint Industrial and Commercial Power Systems / Petroleum and Chemical Industry Conference is planned to meet this need. The objective of the conference is to help you to provide a productive, reliable, safe, and economical industrial electrical systems.

Technical papers without commercialism are invited on topics listed below:

- \* Industrial and commercial power system design, operation & maintenance
- \* Protection of LV / MV systems
- \* Drives, transformers, cables, lighting
- \* Electrical safety
- \* Power quality
- \* Codes and Standards
- \* Renewable Energy systems, Energy storage and energy efficiency.
- \* Topics related to the application of electrical technology, equipment and systems of interest to petroleum and chemical industries.

Papers are subjected to peer review and if accepted are published in the Conference Record. All the accepted papers which are subsequently presented in the conference will be included in IEEE Explore. They will be subsequently evaluated for possible inclusion in IEEE Transactions on Industry Applications and Industry Applications magazine. The authors are required to register and present the papers in conference.

## Submission Deadlines:

Paper proposal 1 May 2015

Notification of acceptance 15 May 2015

Draft of the paper for technical review 1 July 2015

Comments / suggestions of review 15 Aug 2015

Finished Manuscript 1 Oct 2015

To submit a paper proposal, go to

<http://www.ieeehyd.org/ias-abstract-submission-form/>

The following information must be included with the paper proposal:

Title of the paper, Name, education, work experience, affiliation, email and postal address of author(s), an abstract in maximum 500 words of the paper.

For conference information / updates visit web site: [www.ieeehyd.org](http://www.ieeehyd.org)

Conference General Chair: C. Satish, Life SMIEEE, Hyderabad [c.satish@ieee.org](mailto:c.satish@ieee.org)

Technical Program Committee Chair: Professor R Balasubramanian, [balu@ieee.org](mailto:balu@ieee.org)

Organising Committee Chair: V. Srinivas – [srinivas@synergyinfra.com](mailto:srinivas@synergyinfra.com)





# IEEE MTT-S International Microwave and RF Conference

10-12 December 2015, Hyderabad, India

## General Co-Chairs

Lakshminarayana Merugu  
*Defence Electronics Research Lab*  
Alaa Abunjaileh  
*Airbus DS*

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*IIT Delhi*  
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*Research Center Imarat*  
Mohammad Madihian  
*Drexel University*

## Finance Co-Chair

Yogesh Verma  
*Research Center Imarat*  
Greg Lyons  
*MIT Lincoln Laboratory*

## Workshops & Special Sessions

Madhumita Chakravarthy  
*Research Center Imarat*  
Gautam Chattopodhyay  
*NASA Jet Propulsion Laboratory*  
Ramesh Gupta  
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Ananjan Basu  
*IIT Delhi*

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SL Badnikar  
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*Matrusri Engineering College*  
D Ramakrishna  
*University College of Engg. OU*

## Publicity

KC James Raju  
*University of Hyderabad*  
Ch Viswanadham  
*Bharat Electronics Ltd. Hyd*

## Industry Liaison & Exhibition

V S R Kirthy  
*Astra Microwave Pvt Ltd*  
Jagannath Naik  
*Research Center Imarat*

## Webmaster

Joy Laskar  
*Anayas360*

## First Call For Papers

The IEEE Microwave Theory and Techniques Society (MTT-S) with technical co-sponsorship from the IEEE Hyderabad Section and Institute of Electronics and Telecommunication Engineers (IETE) India, announces the 2015 IEEE MTT-S International Microwave and RF Conference (IMaRC) to be held 10-12 December 2015 in Hyderabad, India. This conference is held annually in India to provide a forum for the international community of microwave engineers to meet and present their latest technical achievements in microwave and RF components, circuits, systems, and modeling methods. The IMaRC invites prospective authors to submit original papers on all areas of microwave and RF technology. Accepted papers will be published in IEEE Explore. Proposals for special sessions, workshops and tutorials are also solicited.

### Suggested Topics:

- Monolithic and hybrid integrated active components and circuits
- Amplifiers, mixers, oscillators, switches, frequency dividers/multipliers.
- Monolithic and hybrid passive components and circuits filters, couplers, and transitions
- Signal generation and modulation circuits
- Receiver and Transmitter components
- High power transmitters
- Active antennas and phased arrays
- MIMO techniques
- Novel waveguides and new phenomena in waveguides
- RF packaging and package modeling
- Semiconductor devices and component modeling for RF applications
- RF MEMS and microsystems
- Microwave and millimeter-wave systems
- Radar, SAR and microwave imaging
- Electronic warfare and other military applications of RF/microwaves
- Emerging areas including nanotechnology and biomedical applications
- Wireless and cellular architectures, components, and circuits
- Cognitive and adaptive radio
- Highly integrated packaging
- Methods of maintaining signal integrity
- Optical/fiber techniques
- EMI/EMC

### Submission Guideline

Paper submission instructions and template will be found at <http://imarc-ieee.org/>.

### Important Dates

Proposals for special sessions, workshops and tutorials	June 29, 2015
Preliminary paper submissions (3-4 pages in PDF form)	July 13, 2015
Notification of acceptance	August 17, 2015
Final paper submissions	September 14, 2015

Papers submitted to IMaRC 2015 will be peer reviewed and evaluated based on novelty, significance of the work, technical content, interest to the audience, and presentation.

## Steering Committee

Ravindar Dahiya  
*Chair, IEEE PRIME 2015*  
Ramakrishna Kappagantu  
*Director, IEEE R10.*  
Rajeev V Joshi,  
*TJ Watson Research Center, IBM, USA.*  
Franco Maloberti  
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M.K. Radhakrishnan  
*Chair, IEEE EDS, Region 10*  
Koduri Srinivas  
*Chair, IEEE Hyderabad Section*

## Organising Committee

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*IIT, Hyderabad*

### Publicity Co-Chairs

Mohammed Hasan  
*Aligarh Muslim University, India*  
R.V.V. Satyanarayana  
*SVU, Tirupati*

## Special Sessions

Microelectronics Education

Women in Engineering



# PrimeAsia 2015

**2015 IEEE Asia Pacific Conference on Post Graduate Research in  
Microelectronics and Electronics**  
27<sup>th</sup> to 29<sup>th</sup> November 2015, Hyderabad, India

### About the Conference:

The Asia Pacific Conference on Postgraduate Research in Microelectronics & Electronics (PrimeAsia) is a recent initiative of the IEEE Circuits and Systems Society for engaging students. It aims to provide opportunity for postgraduate students (Masters and PhD) to present their research work and to interact with scientists /engineers in the research community and industry. PrimeAsia 2015 will be held during November 27 to 29, 2015 at Vasavi engineering College, Hyderabad, Telangana State, India.

Papers in PrimeAsia 2015 will be presented by postgraduate students. However, experienced researchers from academia and industry are warmly invited to attend, in order to create a stimulating environment for exchange of ideas and mentoring of young researchers.

The conference is expected to:

- Provide visibility to Masters/Ph.D. students in the early stage of their career
- Benchmark Masters/Ph. D. research in a friendly and cooperative environment
- Connect Ph. D. students with academic/research institutions and the industry

### Scope:

PrimeAsia 2015 covers a wide range of topics including, but not limited to, the following:

- Analog, Digital and Mixed Signal Circuits
- Bio-Medical Circuits and Systems
- Programmable Analog and Digital Systems
- RF, Microwave and Millimeter Wave Circuits
- Power Electronic Circuits
- Computer Aided Design
- Green Circuits and Systems
- Analog and Digital Signal Processing
- Nano Electronics and Giga Scale Systems
- VLSI Circuits and Systems, SoC and NoC
- MEMS and NEMS

### Important Dates:

Submission of Papers	:	July 15, 2015
Notification of Acceptance	:	September 15, 2015
Camera Ready Papers	:	October 15, 2015
Conference	:	November 27-29, 2015

Accepted papers will be submitted to IEEE Explore for publication. The papers will be rated based on review scores. Papers with students as the first authors will qualify for one of the following awards:

GOLD LEAF Certificate -Top 10% papers  
SILVER LEAF Certificate-Top10-20% papers  
BRONZE LEAF Certificate-Top20-30% papers

For any queries, contact: 'info@primeasia2015.org'

PrimeAsia 2015 is technically sponsored by IEEE Circuits and Systems Society and is organised by CAS / EDS Joint Chapter of IEEE Hyderabad Section. .

Please visit [www.primeasia2015.org](http://www.primeasia2015.org) for further details.