
Vol. 14 No. 1 Jan 2017

Message from Chairman



Dear Members,

Season's Greetings

Let us all start fresh the New Year with lots of bubbling energy and enthusiasm.

Many new programs are being lined up for the year 2017. To start with, we will soon announce the Student Branch Officers Meet and Annual Meeting & Awards Presentation Event, which will have lots of jam packed sessions. Those volunteers and student branches which contributed during the last year will be evaluated and rewarded based on their performance. Please do not miss the event.

We are aware that India is taking a bold step in the area of Digital Systems and Internet of Things (IoT). At the recently concluded mega event, 104th Indian Science Congress, Honorable Prime Minister indicated many technological developments that are to take place in India in future, added to that Hon. Chief Minister of Andhra Pradesh also announced many programs for Andhra Pradesh. It should be the endeavor of all IEEE fraternity to support the country in its sojourn towards Digital India Initiatives. Poor connectivity and tail end issues are to be scientifically addressed and solved to have a smooth coverage of every nook and corner of India. IoT has vast potential and has no limits for its application. I urge the students to come with new systems for day to day like, to improve the condition of the poor and downtrodden with technological innovations. Innovation is the key to progress. Just using the gadgets which are imported and used will not lead out country to greater heights.

It is time for students to get ready with their final exams and project submissions. As mentioned some time earlier, I request students to do projects on their own and not depend on quacks who literally "sell" projects. It is after all for your skill development. You are undermining your own capability, if you stoop to such levels. Let me also mention here that many advertisements are being circulated in the media and notices near colleges about "IEEE Projects". Let me clarify that it has nothing to do with IEEE or with any of its associates. It is just to give you a wrong notion that it has the support of IEEE that it is being circulated. Please do not get fooled by such advertisements.

Let me wish all the best to all students for their project submissions and a fruitful career.

Yours voluntarily ,

M. A. Atmanand

Chairman, IEEE Madras Section



Message from the Editors



Prashant R Nair
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Dear Readers,

IEEE MAS LINK wishes all its readers a happy and prosperous new year.

We are pleased to present the first issue of the MAS LINK for the year 2017. Most institutions have resumed their academic sessions and we are sure that professional activities will be picked up in the days to come.

2017 got off to an exciting start with the announcement of the coveted IEEE Fellows. IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation. More than 250 distinguished professionals have been selected for the honor. It is encouraging to see 6 Indians among the list. Several persons of Indian origin also figure.

Further, now on a series of announcements calling for various awards at the HQ, R10, India Council and Section levels will start appearing. We request the members to keep track of these announcements and encourage them to nominate deserving members to make sure that fair percentage of awards are received by our members who constitute second largest as a country in IEEE.

In this issue, we have included reports from 15 SBs on their activities. They include: Bannari Amman Institute of Technology, Sathyamangalam; Cape Institute of Technology, Tirunelveli; Kings College of Engineering, Pudukkottai; Knowledge Institute of Technology, Salem; KPR Institute of Engineering and Technology, Coimbatore; Kongu Engineering College, Perundurai; K. S. Rangasamy College of Technology, Tiruchengode; National Engineering College, Kovilpatti; Panimalar Institute of Technology, Chennai; Rajalakshmi Institute of Technology, Chennai; Sethu Institute of Technology, Kariapatti; St. Joseph's College of Engineering, Chennai; St. Xavier's Catholic College of Engineering, Nagercoil; Thiagarajar College of Engineering, Madurai; and Karunya University, Coimbatore.

The newsletter also carries brief reports on activities of the Communication Society, Computational Intelligence Society, Electron Devices Society, Information Theory Society, Computer Society, Technology and Engineering Management Society and Professional Communication Society.

Under "Forthcoming Events" various events technically sponsored by Madras Section and Madras Section Societies and some other events which will be of interest to our members are presented. The details of financial assistance extended by IEEE Madras Section to SBs to organize events and details of Funds transferred from IEEE HQ to IEEE Student Branches through Madras Section are also highlighted. We had compiled and presented a set of announcements which would interest the members and SBs to gain maximum from IEEE and its offerings. We draw the attention to the announcement regarding the Group Medical Insurance. We are sure that members will find the Information Resources column useful.

The membership in IEEE is renewable from Jan 2017. We are sure that all existing members have renewed their membership and also encouraging others to join IEEE and its various technical societies.

We look for contributions from all to make the MAS LINK a sought after publication from the Section. While doing so, pl. adhere to the guidelines at <https://goo.gl/bYB44p>

The MAS LINK issues are archived in a shared folder at <https://goo.gl/PKX5BK>

Bannari Amman Institute of Technology, Sathyamangalam

Seminar on Smart Automation System



IEEE SB organized “A Day with Engineer” on 24th Dec 2016. Alumni, Mr. A. Arun Vignesh from Payoda Technologies and Mr. K .Karthik from Robert Bosch conducted a seminar on smart automation system.

Debate on Demonetization



IEEE SB organized a Debate on Demonetization on 2nd Jan 2017

Workshop on Vehicle Dynamics



IEEE SB and Dept. of Automobile Engineering organized a workshop on Vehicle Dynamics on 5th Jan 2017. 40 students attended the workshop.

Lecture on Entrepreneurship Skill Empowerment



IEEE SB organized a lecture on Entrepreneurship Skill Empowerment on 7th Jan 2017 by their college alumni.

Report by: Ashok Kumar R, ashokkumarr@bitsathy.ac.in

Cape Institute of Technology, Tirunelveli

Workshop on “Wireless Sensor Network and Embedded Systems”



IEEE SB along with EDS Chapter organized a workshop on “Wireless Sensor Network and Embedded Systems” by Mr. R. Soloman Roach and Mr. L. Arivazhagan from 19th to 23rd Dec 2016. The kits for the workshop were provided by Dr. D. Nirmal, Chair, IEEE EDS Chapter, Coimbatore. 13 students participated in the workshop. Mrs. S. P. Subotha AP/ECE delivered the welcome address and IEEE Members, V. K. Virushne, M. Buvana Sundari and K. Anugraha were appreciated for their coding excellence.

Report by: Ms.Virushne V K, virushvk@gmail.com

Kings College of Engineering, Pudukkottai



Invited Talk

IEEE SB organized an invited talk on “Evolution of Smart Cities using M2M Communication” by Dr. R.Vimalathithan, Prof/ECE, Karpagam College of Engineering, Coimbatore on 28th Dec 2016.

Report by: Dr. J. Arputha Vijaya Selvi, vijayas_02@yahoo.co.in

Knowledge Institute of Technology, Salem

Hands-on training on Digital VLSI Design



IEEE SB along with PACIFIC Club organized hands-on training by Mr. K .Rajesh, AP/ECE on Digital VLSI Design on 12th Dec 2016.

Hands-on training on Graphical System Design



IEEE SB along with VIDART Club organized hands-on training by Mr. V. Saravanan, Assoc Prof/ECE on Graphical System Design on 13th Dec 2016.

Hands-on training on Signal Processing Toolbox in MATLAB



IEEE SB along with SPARK Club organized hands-on training on Signal Processing Toolbox in MATLAB by Ms. M. Nithiyaa, AP/ECE on 13th Dec 2016.

Workshop on Basics of Hardware Networks



IEEE SB along with WIN Club organized Workshop on Basics of Hardware Networks by Ms. C.Gomathi, AP/ECE on 15th Dec 2016.

Hands-on training on Introduction to Various Modern Processors



IEEE SB along with FORCE Club organized hands-on training on Introduction to Various Modern Processors by Ms. G. Neelavathi, Assoc Prof/ECE on 15th Dec 2016.

Spectrum Analysis on Interactive: Record-Breaking PV Cells



IEEE SB organized Spectrum Analysis on 20th Dec 2016 with the title of “Interactive: Record-Breaking PV Cells”. The discussion was led by Ms. R. Hemalatha, IEEE WIE in-charge.

Spectrum Analysis on Deep Learning Reinvents the Hearing Aid



IEEE SB organized Spectrum Analysis on 21st Dec 2016 on “Deep Learning Reinvents the Hearing Aid”.

Spectrum Analysis on Self-Healing Transistors for Chip-Scale Stars Chips



IEEE SB organized Spectrum Analysis on 22nd Dec 2016 on the topic “Self-Healing Transistors for Chip-Scale Stars Chips”. The discussion was led by Mr. M. Bharanidharan, IEEE Faculty in-charge/ECE.

Report by: Dr. N. Santhiyakumari, hod.ece@kiot.ac.in

KPR Institute of Engineering and Technology, Coimbatore

Quality Circle Concepts for Industrial Environment Workshop



IEEE SB organized a two-day workshop on “Quality Circle Concepts for Industrial Environment” by Mrs. S. Yogeswari,, Secretary, QCFI-Coimbatore Chapter, Coimbatore on 20 & 21st Dec 2016. The QCFI-KPRIET Club Coordinator Dr. R. Saravanakumar welcomed the gathering and Dr. K. Bommanna Raja, Principal, presided over the function. Others who spoke included: Mr. Sankara Subramanian, Secretary, QCFI-Madurai Chapter, Madurai and Dr. S. Ramkumar, Dean (Academic & Admin).



Lecture on Installation of Solar PV on Grid System

IEEE SB and EEE Dept. organized a lecture on “Installation of Solar PV on Grid System” by Mr. Sathis, Plant Manager, Dev International. on 31st Dec 2016. IEEE SBC, Dr. V. Kumar Chinnaiyan welcomed the gathering and Dr. K. Bommanna Raja, Principal presided over the event which was organized by Mr. A. Mohamed Ibrahim, AP/EEE.

Report by: Dr. V.Kumar Chinnaiyan, kumarchinn@hotmail.com

Kongu Engineering College, Perundurai

Seminar on Basics of Web Design



IEEE SB organized a technical seminar on Basics of Web Design by Mr. G. Mahesh Prabhu, SB Webmaster on 28th Dec 2016.

Seminar on IoT



IEEE SB organized a technical seminar by Mr. Nowfal, IEEE member on IoT on 28th Dec 2016

Report by: Ms. K. Sathiya, ieeekc@gmail.com

K. S. Rangasamy College of Technology, Tiruchengode

Lecture on Computational Genomics

IEEE-EMBS SB Chapter organized a lecture on Computational Genomics by Dr. Biju Lakshman, R&D Director, Selvam Group of Educational Institutions, Namakkal District on 27th Dec 2016.

Research forum meeting on Waste to Use – Fish scale for diabetic wound healing

IEEE-EMBS SB Chapter organized a Research forum meeting by Dr. M. Balasubramanian, Assoc Prof/Biotech on 29th Dec 2016.

Research forum meeting on Bio-Composite – A Paradigm in tissue engineering

IEEE-EMBS SB Chapter organized a Research forum meeting by Mrs. K. Suriya, Research Scholar, Biotech on 5th Jan 2017. 39 student EMBS members and nine faculty members attended this forum meeting.

Report by Dr.P.Ponmurugan, drponmurugan@gmail.com

National Engineering College, Kovilpatti

Clip Your Social Issues



IEEE CS SB Chapter organized an event, Clip Your Social Issues on 24th Nov 2016. 12 student teams participated. N. Anbarasi & J. Dharshika of III year CSE won the first prize & A. Abirami, N. Abirami of II year CSE won the second prize.

Technical Seminar on Android-N & Viruses



IEEE SB and IEEE ITS Madras Chapter organized a technical seminar on Android-N & Viruses by Mr. S. Akhilesh and Mr. S. Sylvester, final year CSE students on 28th Dec 2016.

Report by: Dr.B.Paramasivan, hodcse@nec.edu.in

Panimalar Institute of Technology, Chennai

IEEE maker event seed funded Workshop on Attentive Escort for Visually Impaired People Using Image Processing



IEEE CS SB Chapter and CSE Dept., organized a two-days hands-on workshop funded by IEEE maker event seed funded workshop on Attentive Escort for Visually Impaired People using Image Processing on 20th & 21st Dec 2016. Dr. M. A. Atmanand, Chairman IEEE Madras Section inaugurated the event. Mr. V. Edison, programmer demonstrated the tool to the participants.

National Level Workshop on Antenna Design using HFSS Tool



IEEE SB, IEEE APS, IEEE MTTs-PIT, Tesla Minds , Chennai and ECE Dept., organized a National Level Workshop on Antenna Design using HFSS Tool during 20th and 21st Dec 2016. Dr.T.Jayanthy, Principal, inaugurated the workshop. Mr. Jayanandan, Technical Director, Tesla Minds, Chennai and his team were the resource persons for the workshop.

Inauguration of IEEE Antennas and Propagation Society (APS) & Microwave Theory and Techniques Society (MTTS) Student Branches

IEEE SB in association with the Dept. of ECE organized the inaugural function of the IEEE Antennas and Propagation Society & Microwave Theory and Techniques Society Student Branches on 20th Dec 2016. Dr. M.A. Atmanand , Chairman IEEE Madras Section inaugurated these society chapters. Dr.T.Jayanthy Principal received the approval letter from Dr. Atmanand.

Report by: M.Arun, arunmeieee@gmail.com

Rajalakshmi Institute of Technology, Chennai

Short Term Training Program on RF Circuits & Antenna Design



IEEE SB organized a short term training program on RF Circuits & Antenna Design from 22nd to 24th Dec 2016. 15 student members attended the training and benefited. The resource persons were Mrs. S. Kalaivani, AP/ECE; Mr. Franklin Telfer, AP/ECE and Mr. T. Jayanandan, Technical Director, Tesla Minds Technology, Chennai

Short Term Training Program on Machine Learning in Computer Vision



IEEE SB organized a three-days short term training program on Machine Learning in Computer Vision, during 20th to 22nd Dec 2016. The resource persons were Dr. G. R. Suresh, HOD/ECE; Dr. R. Rajeswari, Prof/ECE; Mr. T. K. Senthil Kumar and Mrs. R. Umamaheswari, both Assoc Prof/ECE and Mrs. S. Manimegalai, AP/ECE

Short Term Training Program on Digital System Design using Xilinx/Tanner Tool



IEEE SB and ACE association of ECE Dept. organized short term training programme on Digital System Design using Xilinx/Tanner Tool on 20th to 22nd Dec 2016. The resource persons were Mr. G. Kalyan Kumar, Mr. S. Rajalingam and Mr. U. Maheswaran, all AP/ECE

Short Term Training Program on Basics of NS2



IEEE SB organized a short term training program on STTP on NS2 held during 22nd to 24th Dec 2016. The resource persons were Ms. V. Chinnammal, Asst. Prof. (SS), Mr .R. Ganesh Babu & Mr. Rahul Krishnan, Asst. Prof.,



Faculty Development Training Programme on Antenna and Wave Propagation

IEEE SB and Dept. of ECE organized a Faculty Development Training Programme on Antenna and Wave Propagation during 21st to 28th Dec 2016. 25 participants from various engineering colleges attended the programme. The event was coordinated by Dr. V. Prithiviraj, Dean and Dr. R. Rajeswari. Dr. S. Selvaraju, Principal presided over the function and Dr. G. R. Suresh, Head/ECE also graced the FDP.

Resource persons included:

- Mr. M. Murali Krishna, General Manager, (S&M) CFA,BSNL Chennai Telephones.
- Shri R. Jayakumar, Scientist 'G' (Retd), DRDO
- Dr. V. Prithiviraj Dean-ECE; Dr. G. Nirmala Priya, Professor; Mrs. S. Kalaivani, Mr. L. Franklin Telfer, Mrs. C. Malarvizhi, Mrs. V. Chinnammal, All AP/ECE of Rajalakshmi Institute of Technology
- Mr. M Sreenivasan, Scientist C, EMC Division, SAMEER-Center for Electromagnetics, Chennai
- Dr. M. Gulam Nabi Alsath, Assoc Prof/ECE, SSN College of Engineering
- Dr. Jothi Lakshmi, Prof/ECE, Sri Venkateswara College of Engineering
- Mr. T ,Jayanandan, Director, Tesla Minds Technology, Chennai

Report by: Dr. R. Rajeswari, rajimaniphd@gmail.com

Sethu Institute of Technology, Kariapatti



IEEE SB organized IEEE-Techfest'2k16 on 15th Nov 2016. 120 students participated in this program with two events: Technical Quiz and C Program Coding. The inaugural function was graced by Dr. A. Senthil Kumar, Principal; Dr. M. Santhi, Head / EEE & SB-Counselor; Mr.S.Harun Basha, SB Chair; Ms.C.Rajeswari & Ms. J. Jeyashanthi, faculty coordinators; Mr. V.Prasanna & Mr. M. Ashokkumar, Student Coordinators

Technical Quiz:

S.NO	NAME	YEAR	Place
1	P. Sriyogan & R.Vishwanth	III-Year	First
2	V.Ram Prasanth & R.D.Srinivasan	II-Year	Second

C Program Coding:

S.NO	NAME	YEAR	Place
1	B.Chitra Devi	II-Year	First
2	N.Aarthi	III-Year	Second

Report by: Dr.M.Santhi, hodeee@sethu.ac.in

St. Joseph's College of Engineering, Chennai

TDCS-2016



IEEE student volunteers took part in the Technology Dissemination Contest For Students (TDCS-2016), a National Level Contest organized by IEEE Education Society (Pune Section), where the students were given an opportunity to disseminate information about emerging technologies among urban and rural high school students.

Thejeswini C, Shivani Dhanasamy, Vigneshwari R & Tharani Sri S of III/IT visited the following schools Government High School, Karapakkam, Kanchipuram, Government High School Slum Clearance Board (TNSB), Chemmencherry, Kanchipuram, Kesari Higher Secondary School, T.Nagar, Chennai, Chennai Higher Secondary School, Velacherry, Chennai

Report by: Uthayakumar G S, guthayakumar@gmail.com

St. Xavier's Catholic College of Engineering, Nagercoil

Visit to home for disabled



IEEE SB organized a visit to a home for the disabled on 29th Dec 2016 in view of International Day of Persons with Disabilities. 26 student members under the guidance of the IEEE SBC, Prof. A. Darwin Jose Raju and the IEEE WIE Advisor, Prof. A. Subitha visited the Providence Home, located at Perunchilambu, Kanyakumari District. The home accommodated girls and women who are physically and mentally challenged and are abandoned by their families and the student members spent time with them

Visit to horticulture research station



IEEE WIE SB AG organized a visit to the Horticulture Research Station, Pechipaarai on 29th Dec 2016. The visit was coordinated by Ms. N. Asiya Beevi, Chairperson, IEEE WIE. The team consisted of 26 student members accompanied by Prof. A. Darwin Jose Raju, IEEE SBC and Prof. A. Subitha, Faculty Advisor of IEEE WIE. Dr. Swarnapriya, Head, Horticulture Research Station, Dr. Bini and Dr. J. D. Nirmalatha of Dept. of Horticulture guided the students.

Report by: Bertino C, bertivarma@gmail.com

MIT develops ingestible battery that runs on stomach acid: MIT researchers have designed and demonstrated a small ingestible battery that is powered by the acidic fluids in the stomach. The 4-cm-long cylindrical cell can generate enough energy to power drug delivery devices and ingestible sensors for temperature, heart and breathing rate. During tests, the device was able to power a temperature sensor and transmit data wirelessly every 12 seconds.

Boeing's 'space taxi' will have over 600 3D-printed parts: American aircraft manufacturer Boeing has hired Oxford Performance Materials to make over 600 3D-printed parts for its Starliner 'space taxis' which will launch NASA astronauts into space. The parts will be printed with a plastic called PEKK, which is claimed to be as strong as aluminium and resistant to radiation and temperatures ranging from about -149°C to 149°C s.

Thiagarajar College of Engineering, Madurai



TEQIP sponsored FDP on CMOS VLSI System Integration: Analysis, Implementation and Simulation

IEEE SB and the Dept., of ECE organized a TEQIP sponsored two-week FDP on “CMOS VLSI System Integration: Analysis, Implementation and Simulation” from 12th to 25th Dec 2016. Faculty Members and Research Scholars from 22 engineering colleges and 5 polytechnics participated in the workshop. The FDP was organized by Dr. S. Rajaram and Dr. N. B. Balamurugan, both Assoc Prof/ECE. Other faculty resource persons included Dr. V. Vinoth Thyagarajan, Dr. D. Gracia Nirmala Rani, Dr. V. Venkatasubramani and Dr. K. Kalyani of ECE.

Report by: Ms. K.Kalyani, k_kalyani@tce.edu

IEEE COMSOC, Madras Chapter

Lecture on Engineering Research Techniques

IEEE COMSOC Madras Chapter along with IEEE Madras Section, IEEE CS, IEEE PSES, and IEEE PCS organized a talk on Engineering Research Techniques by Dr. P. Venkatesan, Professor, SCSCMV University, Kanchipuram on 3rd Dec 2016 at the seminar hall at IEEE Madras Section.

IEEE EDS and Karunya University, Coimbatore

2nd National Workshop on Semiconductor Device Modeling and Applications (NWSDMA)



IEEE Electron Devices Society (EDS) Coimbatore Chapter and Dept. of Electrical Technology, Karunya University organized the 2nd National Workshop on Semiconductor Device Modeling and Applications (NWSDMA) on 11th Jan 2017. The workshop was inaugurated by Dr. A. Shobha Rekh, HOD/Electrical Technology. Dr. D. Nirmal, Chair, EDS and Dr. N. M. Sivamangi were the conveners for the workshop. Speakers for the workshop included Dr. D. Nirmal, Mr. Saravana Prabhu, Key Sight Technologies and Mr. Prajoon Pavithran, Karunya University.

Report by: Dr. D. Nirmal, dnirmalphd@gmail.com

World's largest humanoid robot collection goes on display: The world's largest collection of humanoid robots featuring more than 100 robots is being displayed at London's Science Museum. The collection is a part of an exhibition showcasing the 500-year history of robot development. Humanoids displayed at the exhibition include RoboThespian that gives a theatrical performance in every 20 minutes and Honda's ASIMO robot that gives fashion advice.

Cabinet developed to let users smell, touch virtual reality; Japanese company Koei Tecmo has developed a cabinet called 'VR Sense' that engages with a user's nose and skin to let them smell and touch the different environments in virtual reality. It comes with functions for wind, mist, temperature and scent. The cabinet's chair can move in all directions and users can also feel bugs and rats crawling on them.

IEEE Computational Intelligence Society, Madras Chapter

- **4th Nov 2016:** Technical talk on “Reason development in meta-cognitive neural networks” at St. Joseph College of Engineering, Chennai.
 - **2nd to 6th Jan 2017:** Winter School on “ Computational Intelligence: Fundamental Theory and Practical Applications” at VIT University Chennai Campus.
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IEEE Information Theory Society Madras Chapter

28th Dec 2016: Technical Seminar on Android-N and Viruses. 94 students from National Engineering College, Kovilpatti participated and benefited.

IEEE Computer Society, IEEE TEMS & IEEE PCS

28th Nov 2016: Presentation on “Attracting Investments for Tech Innovations -- Case Study on Technology Solutions for Teaching” by Mr. M. Srinivasan, Managing Director, Kengs India Pvt Ltd, Chennai

IEEE Computer Society, IEEE TEMS

20th Dec 2016: Presentation on “Cyber Crimes in India: Emerging Trends & Computer (In)security in India” by Mr V. Rajendran, Past President, Cyber Society of India

Forthcoming Events

Events Technically Sponsored by Madras Section and Madras Section Societies

2017 11th International Conference on Intelligent Systems and Control (ISCO); 5-6 Jan 2017 at Karpagam College of Engineering, Coimbatore. www.kceisco.com

2017 International Conference on Computer Communication and Informatics (ICCCI); 5-7 Jan 2017 at Sri Shakthi Institute of Engineering and Technology, Coimbatore. <http://www.iccci.in/>

2017 4th International Conference on Advanced Computing and Communication Systems (ICACCS); 6-7 Jan 2017 at Sri Eshwar College of Engineering, Coimbatore. <http://www.icaccs.sece.ac.in/>

2017 Trends in Industrial Measurement and Automation (TIMA); 6-8 Jan 2017 at Madras Institute of Technology. <http://tima2017.org/>

2017 International Conference on Computer, Communication and Signal Processing (ICCCSP); 10 – 11 Jan 2017 at SSN College of Engineering. <http://icccsp.com/>

2017 International Conference on Inventive Systems and Control (ICISC); 19-20 Jan 2017 at JCT College of Engineering and Technology, Coimbatore. <http://icisc2017.com/index.html>

2017 International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology (ICEEIMT); 3 – 4 Feb 2017 at Karunya University, Coimbatore. <http://www.karunya.edu/ece/icieeimt17/>

2017 International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud); 10-11 Feb 2017 at SCAD Institute of Technology, Palladam. <http://ismac2017.com/venue.html>

2017 International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET); 16 - 18 Feb 2017 at Bharath Institute of Higher Education and Research, Chennai.

2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT); 22-24 Feb 2017 at SVS College of Engineering, Coimbatore. www.icecct.com

2017 International Conference on Information Communication and Embedded Systems (ICICES); 23-24 Feb 2017 at S.A. Engineering College, Chennai. www.saec.ac.in/icices2017

2017 2nd International Conference on Computing and Communications Technologies (ICCCT); 23-24 Feb 2017 at Sri Sai Ram Engineering College, Chennai. www.sairam.edu.in/icct17

2017 4th International Conference on Electronics and Communication Systems; 24-25 Feb 2017 at Karpagam college of Engineering, Coimbatore. www.icecs.in

2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB); 27- 28 Feb 2017 at Prathyusha Engineering College, Chennai. <http://www.aeeicb2017.prathyusha.edu.in/>

2017 Twenty-third National Conference on Communications (NCC); 2-4 Mar 2017 at Indian Institute of Technology Madras, Chennai. <http://ncc2017.org/>

2017 International Conference on Science, Technology, Engineering and Management (ICSTEM); 3- 4 Mar 2017 at Kalaignar Karunanidhi Institute of Technology, Coimbatore. <http://www.kitcbe-icstem.in/>

2017 First International Conference on Recent Advances in Aerospace Engineering (ICRAAE); 3-4 Mar 2017 at Karunya Institute of technology and Sciences, Coimbatore. <http://www.karunya.edu/aero/icraae/>

2017 International Conference on Inventive Communication and Computational Technologies (ICICCT); 10-11 Mar 2017 at Ranganathan Engineering College, Coimbatore. <http://icct2017.com/index.html>

2017 4th International Conference on Innovations in Information, Embedded and Communication Systems; 16-17 Mar 2017 at Karpagam college of Engineering, Coimbatore. <http://iciiecs.in/contact.html>

2017 Fourth International Conference on Signal Processing, Communication and Networking (ICSCN); 16-17 Mar 2017 at Madras Institute of Technology. <http://www.icscn.org/>

2017 International Conference on Power and Embedded Drive Control (ICPEDC); 16-18 Mar 2017 at Sri Sivasubramaniya Nadar College of Engineering. <http://icpedc2017.org/>

2017 Third International Conference on Biosignals, Images and Instrumentation (ICBSII); 16-18 Mar 2017 at SSN College of Engineering, Chennai. <http://icbsii2017.com/>

2017 International Conference on Innovations in Green Energy and Healthcare Technologies (IGEHT); 16-18 Mar 2017 at Dr.NGP Institute of Technology, Coimbatore. <http://www.icigeht.com/>

2017 International Conference on Computation of Power, Energy Information and Communication (ICCPEIC); 22-23 Mar 2017 at Adhiparasakthi Engineering College. <http://icpeic.weebly.com>

2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET); 22-24 Mar 2017 at Sri Sivasubramaniya Nadar College of Engineering, Chennai. <http://www.wispnet2017.org/>

2017 International Conference on Intelligent Transport System and Vehicle Technology (ITSVT); 23-24 Mar 2017 at Karpagam College of Engineering, Coimbatore.

2017 Third International Conference on Science Technology Engineering & Management (ICONSTEM); 23-24 Mar 2017 at Jeppiaar Engineering College, Chennai. <http://www.iconstem2017.com/>

2017 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS); 23-25 Mar 2017 at Kalasalingam University, Srivilliputhur. <http://kalasalingam.ac.in/site/incos2017/>

International Conference on Nextgen Electronic Technologies: Silicon to Software (ICNETS2); 23-25 Mar 2017 at VIT University, Chennai Campus, Chennai. <https://www.icnets2.com/>

2017 International Conference on Communication and Signal Processing (ICCSPP); 6 – 8 Apr 2017 at Adhiparasakthi Engineering College, Chennai. <http://www.iccsp-apec.com/>

2017 International Conference on Telecommunication, Power Analysis and Computing Techniques (ICTPACT); 6-8 Apr 2017 at Bharath Institute of Higher Education and Research, Chennai.

2017 Innovations in Power and Advanced Computing Technologies (i-PACT); 21-22 Apr 2017 at Vellore Institute of Technology University, Vellore. <http://www.ipact2017.com/>

2017 IEEE International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE); 27-28 Apr 2017 at M. Kumarasamy College of Engineering, Karur. <http://www.iceice2017.com/>

2017 International Conference on Trends in Electronics and Informatics (ICEI); 11-12 May 2017 at SCAD College of Engineering and Technology, Tirunelveli. <http://icoei.com/index.html>

2017 International conference of Electronics, Communication and Aerospace Technology (ICECA); 20-22 Apr 2017 at RVS Technical Campus, Coimbatore <http://icoeca.com/index.html>

2017 Third International Conference on Sensing, Signal Processing and Security (ICSSS); 4 - 5 May 2017 at St. Peter's College of Engineering and Technology, Chennai.

2017 International Conference on Computational Intelligence in Data Science (ICCIDS); 2-3 Jun 2017 at Sri Sivasubramaniya Nadar College of Engineering, Chennai. <http://www.iccids.in/>

2017 International Conference on Computing Methodologies and Communication (ICCMC); 18-19 Jul 2017 at Surya Engineering College, Erode. <http://iccm2017.com/index.html>

2017 IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials (ICSTM); 2-4 Aug 2017 at Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai. <http://www.veltechuniv.edu.in/icstm2017/>

2nd International Conference on Inventive Computation Technologies (ICICT); 24-25 Aug 2017 at RVS Technical Campus, Coimbatore. <http://icoict.com/index.html>

Other Events

One Day Seminar on "Practical Issues in Antenna Design"; 4th Jan 2017 at KCG College of Technology.

IEEE CIS Sponsored Winter School on "Computational Intelligence: Fundamental Theory and Practical Applications". 2-6 Jan 2017 at VIT University, Chennai Campus.
<https://drive.google.com/file/d/0ByIP3VZiV7kIZ19jdTY4V1JfWIE/view?usp=sharing>

International conference on Wireless Smart System Technologies; 5-7 Jan 2017 at National Engineering College.

9th International Conference on Trends in Industrial Measurements and Automation -TIMA 2017 during 6th,7th & 8th - January, 2017. Last date for paper submission is 15th Nov 2016. <http://tima2017.org/>

Workshop on Research Challenges in Smart Power and Energy Management System for Digital India - SPEMS 16; 23-24 Jan 2017 at Karunya University

IEEE Madras Section: National Conference on "Disaster Mitigation, Responsiveness and Management" 3-4 Feb 2017 at SSN College of Engineering, Kalavakkam. <http://www.ssn.edu.in/wp-content/uploads/2014/03/ncdmmr.pdf>

Information Resources

Compiled by

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Cashless India - Digital Payment Methods: The Digital India programme is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy. “Faceless, Paperless, Cashless” is one of professed role of Digital India. See the various options at <http://cashlessindia.gov.in>

Govt. of India - Acts/Rules: In this website, one can access full text of all the Central Acts passed by the Indian Parliament since 1834 by searching the India Code Information System (INCODIS). State Acts are also available. Users can access all the Rules passed by the Parliament and State Legislative Assemblies. Subordinate legislations issued by various Departments are also given in this website. <https://india.gov.in/my-government/actsrules>

Govt. of India – Schemes: Indian Government, at all levels, announces Welfare Schemes for a cross section of the society from time to time. These schemes could be either Central, State specific or a joint collaboration between the Centre and the States. In this section, we have attempted to provide you an easy and single point access to information about several welfare schemes of the Government and their various aspects including eligible beneficiaries, types of benefits, scheme details etc. <https://india.gov.in/my-government/schemes>

Govt. of India – Services: Indian Government under Digital India initiative has launched over 1900 services under various ministries, states, departments dealing with Education and learning; Health and wellness[Electricity, Water and Local services; Money and Taxes; Jobs; Justice and law; Travel and tourism; Business and self-employed; Births, deaths, marriages and child care; Pension and Benefits; Transport and infrastructure; Citizenship, Visas & Passports; and Agriculture, Rural and Environment. <https://services.india.gov.in>

Govt. of India – Forms: This website is a centralised resource for important application forms of Central/State/UT Governments which are required to be filled up and submitted for availing different services and applying for obtaining important certificates/licences. You can get Application forms pertaining to commonly required documents such as Ration Card, Driving Licence, Vehicle Registration, Passport, Birth/Death certificate, etc. from here. <https://india.gov.in/my-government/forms>

International Travel Support (ITS) Scheme: This portal enables researchers to submit applications online for seeking financial assistance to attend international scientific events (conference, seminar, workshop etc) held abroad. The portal also provides facility to track the status of the submitted applications and submit claim bills and tour reports. Guidelines for submission of applications and templates of various formats are also available in the portal. <http://its.serb.gov.in:8080/its/public/doWelcome.action>

25 innovative ways to enhance your teaching: Interactive teaching-learning tools can not only make teaching activities vivid but also increase students’ attention and the willingness of active learning in classroom. Some of the approaches are listed below. You all are requested to include at least 2-3 such techniques in your respective subjects and you should also then see its impact in a formal manner and come up with you experience and respective outcome in context of enhancement in the learning quotient. You can also adopt any other active learning approach into your classroom. <https://goo.gl/NpyGwB>

The future of technology in warfare: From AI robots to VR torture: Geopolitical developments have raised fears of another world war. Technological advances mean it should at least be over quickly. Warfare and technology make the perfect partners of destruction. Military innovations from wooden catapults to nuclear bombs have been transforming the way war is waged since prehistoric humans carved arrows from stones some 10,000 years ago. The visions of futurists don’t always match the experiences of military personnel, but the battlefields of the future will bear little resemblance to the war zones of today. <https://goo.gl/qQ8W0C>

Smart Cities Mooc: Teaching Citizens How to Co-create Smart Cities Conference Item Teaching Citizens How to Co-create Smart Cities <https://goo.gl/Phuiof>

A literature survey on smart cities: Rapid urbanization creates new challenges and issues, and the smart city concept offers opportunities to rise to these challenges, solve urban problems and provide citizens with a better living environment. This paper presents an exhaustive literature survey of smart cities. First, it introduces the origin and main issues facing the smart city concept, and then presents the fundamentals of a smart city by analyzing its definition and application domains. Second, a data-centric view of smart city architectures and key enabling technologies is provided. Finally, a survey of recent smart city research is presented. This paper provides a reference to researchers who intend to contribute to smart city research and implementation. <https://goo.gl/eHazuE>

Applications of big data to smart cities: Many governments are considering adopting the smart city concept in their cities and implementing big data applications that support smart city components to reach the required level of sustainability and improve the living standards. Smart cities utilize multiple technologies to improve the performance of health, transportation, energy, education, and water services leading to higher levels of comfort of their citizens. This involves reducing costs and resource consumption in addition to more effectively and actively engaging with their citizens. One of the recent technologies that has a huge potential to enhance smart city services is big data analytics. As digitization has become an integral part of everyday life, data collection has resulted in the accumulation of huge amounts of data that can be used in various beneficial application domains. Effective analysis and utilization of big data is a key factor for success in many business and service domains, including the smart city domain. This paper reviews the applications of big data to support smart cities. It discusses and compares different definitions of the smart city and big data and explores the opportunities, challenges and benefits of incorporating big data applications for smart cities. In addition it attempts to identify the requirements that support the implementation of big data applications for smart city services. The review reveals that several opportunities are available for utilizing big data in smart cities; however, there are still many issues and challenges to be addressed to achieve better utilization of this technology. <https://goo.gl/AHKeiR>

Best technology books: 18 technology books to read in 2017: Best books on IT and technology: It's an irony that in the digital world paper books are still held in incredibly high regard. Many have opinions but getting into print carries prestige. Here are the best books to read this year for technology lovers. <https://goo.gl/AqIBm8>

Artificial Intelligence May Change the Face of Business: Artificial Intelligence (AI) may be the single most disruptive technology the world has seen since the Industrial Revolution. Granted, there is a lot of hype out there on AI, along with doomsday headlines and scary movies. But the reality is that it will positively and materially change how we engage with the world around us. It's going to improve not only how business is done, but the kind of work we do – and unleash new levels of creativity and ingenuity. <https://goo.gl/mOHdtz>

Electronic health records: The smart person's guide: This comprehensive guide covers all you need to know about EHRs, or electronic health records, the new standard in medical documentation. <https://goo.gl/hHibJU>

Agile project management: The smart person's guide: This is the go-to guide on Agile project management for project managers, business leaders, developers, project and product teams, consultants, stakeholders, and students. <https://goo.gl/SgeUF1>

Google Wifi wireless router: The smart person's guide: Our comprehensive guide about the Google Wifi wireless router includes its specifications and features, and what it means for small businesses and home use. <https://goo.gl/1pG8zi>

Google Assistant: The smart person's guide: This comprehensive guide covers the history behind Google's AI powered Google Assistant, its features, and what it means for the future of Google's business. <https://goo.gl/YRzuWQ>

Tor: The smart person's guide: This comprehensive guide covers everything you need to know about Tor, the onion router web browser that allows users to access the Dark Web and other encrypted websites. <https://goo.gl/DpDmwx>

DevOps: The smart person's guide: This comprehensive guide covers DevOps, an increasingly popular organizational structure for delivering rapid software deployments in the enterprise. <https://goo.gl/fMlxel>

Blockchain: The smart person's guide: This comprehensive guide covers everything you need to know about the blockchain, the innovative technology that powers Bitcoin, Litecoin, and other cryptocurrencies.

<https://goo.gl/heZsmj>

22 business-etiquette rules every professional should know: Having a basic understanding of business etiquette rules is crucial. In "The Essentials of Business Etiquette," Barbara Pachter writes about the things people need to know in order to conduct and present themselves appropriately in professional social settings. Here are some of her most important points: <https://goo.gl/sYX4uJ>

Skills and behaviors that make entrepreneurs successful: Research at Harvard Business School by Lynda Applegate, Janet Kraus, and Timothy Butler takes a unique approach to understanding behaviors and skills associated with successful entrepreneurs. <https://goo.gl/rzsfTj>

Announcements

Financial Assistance to SBs

SB College Name	Event date	Topic	Amount (Rs.)
St. Xavier's College of Engineering	22-23 Oct 2016	IEEE Xtreme 10.0	10,000
Velammal Engineering College	7-14 Nov 2016	Seminar on Human Computer Interaction	12,500

Details of funds transferred from IEEE HQ to IEEE SBs through IEEE Madras Section Dec 2016

S.No.	College Name	Amount (Rs.)	Remarks
1	Velammal College of Engineering & Technology	33,190	R10 AIYEHUM 2016 Project Funding
2	IFET College of Engineering	33,190	R10 AIYEHUM 2016 Project Funding
3	Annai Vailankannai College of Engineering	33,190	R10 AIYEHUM 2016 Project Funding
4	Kalasalingam University	3,41,600	CSS Outreach Grant for IEEE CSS Winter School on Cyber Physical Systems
5	National Engineering College	5,24,402	EPICS Funding for the project CasTalk: A smart platform for casual talk between normal and deaf people.

IEEE Madras Section SB Officers Meet cum Annual Meeting

The IEEE Madras Section SB Officers Meet will be held on Sunday 5th Feb 2017 along with the Annual Meeting. The SB Counselor and one Office Bearer of the SB will be reimbursed the travel expenses (ordinary bus fare / 2nd sleeper train fare) to participate in the SB Officers Meet. All SBCs are requested to register for this meet and also send a brief presentation of their activities and best practices if they would like to present during the meet. Further, the SBCs are requested to fill-up the IEEE MAS SB survey to facilitate us to know the issues if any for discussion at the proposed meet.

IEEE Madras Section Entrepreneurship & Innovation Summit

Call for the IEEE MAS Entrepreneurship & Innovation Summit: The IEEE Madras Section invites proposals from Student Branches to host a one day Entrepreneurship & Innovation Summit during Feb /Mar 2017. The session topics & speakers will be identified by the E&I Committee. For outstation speakers, provision for travel & local hospitality has to be made in the budget. We expect 100 to 150 members to attend this summit. If you are interested in hosting this Entrepreneurship Summit at your SB, please send your proposal containing Budget; Anticipated Sponsors + Support; Support to be provided by the host Institution; and Consent from the Head of the host Institution. Funding support in the range of INR 20K to 30K (max) will be made available from the India Strategic Initiatives & IEEE MAS. SBs interested in hosting this summit may please send the proposal through the SB Counselors by email to nivasravichandran@gmail.com with a copy to ieemas@gmail.com and hrmohan.ieee@gmail.com on or before 10th Feb 2017.

Project Competition RACKET 2017

The Dept. of ECE of R.M.K. College of Engineering and Technology in association with IEEE Madras Section is organizing the National level Project Competition RACKET - 2017 on 27th Feb 2017. This Project Competition RACKET 2017's aim is to encourage students to extend their knowledge, creativity and innovation on an engineering concept.. The final design level presented may be in a preliminary stage, as the competition's basic intention is to challenge students' imaginative thinking and creative engineering and technology approach to the building and all of its systems. For more details pl. visit <http://www.rmkcet.ac.in/>

Workshop on “Research Methodology and Statistical Tools for Research”

IEEE Student Branch of Kings College of Engineering and its R&D section, is organizing a one day workshop on “Research Methodology and Statistical Tools for Research” on 25th February, 2017. For Details contact randd@kingsindia.net. The registration can be made at: <https://goo.gl/forms/ze2y1d5TPinXi9AN2>

National Level Workshop on "Multivariate Analysis using SPSS & AMOS"

The Department of Management Studies of Kongu Engineering College, Erode, Tamil Nadu proudly presents the 4th edition of National level Workshop on "Multivariate Analysis using SPSS & AMOS" on 22-28 – March 2017. Academicians and Research Scholars are invited to participate in the Workshop. For further details and queries call the organisers at +91 8675014214 or email at semworkshop.kec@gmail.com You may register at the link at <https://goo.gl/forms/1OIQP4JmKslkzU63> The workshop website is at <http://semworkshopkec.wixsite.com/about>

IEEE Intl. Conf. on “Intelligent Technique in Control, Optimization and Signal Processing” (INCOS '17)

The IEEE Student Branch of Kalasalingam University is organizing the IEEE International Conference on “Intelligent Techniques in Control, Optimization and Signal Processing” INCOS' 17 during 23rd to 25th March, 2017; it is the seventh conference in the series of INCOS conducted from 2010 onwards. The conference will bring together top researchers in the broad area of intelligent systems. The conference will provide an opportunity to share and exchange ideas on current research on Artificial Neural Networks, Fuzzy logic and Evolutionary Computation and their potential applications to control, optimization and signal processing. The conference includes paper presentation, keynote address and invited talk by experts from industries and leading academic institutions. For more details, Kindly visit : www.kalasalingam.ac.in/site/incos2017

National Conference on Recent Advancements in Signal Processing and Communication

The Dept. of ECE of R.M.K. College of Engineering and Technology in association with IEEE Madras Section is organizing the Sixth National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC – 2017) on 27th Feb 2017. NCRASPC – 2017 will be a national forum for researchers and practitioners interested in the advances and applications of recent trends in ECE. It is the opportunity to present and observe the latest research, results, and ideas in these areas. The objective of NCRASPC 2017 is to strengthen the relationships between Research Scholars, Academicians, Working Professionals, and Engineers & Scientists. For additional details pl. contact ncraspc@rmkcet.ac.in or visit www.rmkcet.ac.in

The IEEE Group Medical Insurance Scheme

The IEEE Group Medical Insurance Scheme had undergone some revision. For more about the scheme, please visit http://www.ieee.org/membership_services/membership/discounts/group_insurance.html . while the flyer is given below, the revised and the latest premium rates and the MoU with National Insurance Corporation are shared in a gDrive at <https://drive.google.com/drive/folders/0B5jxEnDN1CofbG1USiVXRtFHZik?usp=sharing> This is a unique facility from IEEE to the members and all are requested to make use this offer.


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Group Medical Insurance for IEEE Members in India

IEEE members in India can subscribe to a medical insurance for themselves and family.

IEEE
Student members
can get medical
insurance for
their
PARENTS

Eligibility: An Active IEEE membership

 <p>Great Rates Highly comprehensive benefits and best pricing</p>	 <p>Easy to Subscribe Simply go to Sign in with your IEEE Account to access the enrollment portal [www.ieee.org]</p>
 <p>Simple Payment Pay premium Rupees using the payment gateway (credit card, debit card, online transfer, etc)</p>	 <p>Pan India As a resident of India, no matter where you work or study, whether you are employed or not, your insurance will continue</p>
 <p>Insure Entire Family The policy covers member, spouse, upto 3 children, parents or parents-in-law (Maximum 7 lives)</p>	 <p>Choose Coverage The member can choose the insurance coverage from Rs. 2L, 3L, 5L, 7L, or 10L</p>
 <p>Wide Age Range ✓ Upto 85 years for member, spouse, parents and parents-in-law at the time of enrollment ✓ 0-25 years for dependent children at time of enrollment ✓ No age limit for renewed policies</p>	 <p>Coverage All Pre - existing disease are covered for renewed members</p>

Enrollment is now open

www.ieee.org/insurance

Contact : ieee@mediassistindia.com



Guidelines for SB Events Funding and Application Forms.

The revised guidelines for funding from IEEE Madras Section to the SBs for organizing events have been uploaded at the IEEE MAS Website at <http://sites.ieee.org/madras/financial-assistance-to-students/> SBs desirous of getting the funding from the Section are requested to follow the guidelines and submit the application with the required information in time for processing and release the fund in time.

Conference Technical Sponsorship from IEEE Madras Section

While the IEEE Madras Section encourages by technical sponsorship to SBs organizing the conferences (particularly the International Conferences), off late we are receiving complaints reg. plagiarism and issues in uploading the papers in IEEE Xplore. Further, conference requests are sent directly to IEEE HQ without any reference made to the Section and not involving Section Officials. Further it is noted that the conference websites also do not properly highlight the sponsorship of the Section. While the guidelines from the Section is being drafted, as advised by IEEE India Council (IC), for the time being the guidelines approved by IC and available at http://www.ewh.ieee.org/r10/india_council/conferences/Conference_Norms_revised_24Jul2016.pdf will be followed to approve the Section sponsorship. The SBs planning to organize the conferences are requested to follow the above guidelines.

IEEE Madras Section Membership Status as on 1st Jan 2017

Affiliate	23
Associate Member	37
Fellow	4
Graduate Student Member	874
Life Member	7
Life Senior	12
Member	2268
Senior Member	193
Student Member	5263
Total	8681

For Private Circulation

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Newsletter of the IEEE Madras Section
Vol. 14 No.1 :: Jan 2017

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