IEEE-MAS Link
Newsletter of IEEE MADRAS SECTION

Message from Chairman

Dear Members

On Jun 12, 2013, IEEE rolled out Google apps for IEEE members. Earlier we just had an email alias which used to scan emails for virus and redirect them to our email inbox provided by different service providers. The new service is provided by Google with 25 GB inbox and 5 GB Google Drive space. This is another 'tangible' benefit for IEEE members. Additionally it offers Calendar and contacts too. If you haven't signed up already, you can do so at https://sites.google.com/a/ieee.org/gapps-help/your-first-days . I have done that already as you can notice the change in my email id below.

Your section has fully sponsored 10 student, GOLD and WIE members selected by R10 on the basis of their registration, past volunteer contributions to IEEE and future potential to contribute to the R10 Student Gold and WIE Congress held at Hyderabad, India between July 11 and 14. In the past, your section had sponsored one or two students to R10 Congresses held outside India. A budget has been set aside each year for such sponsorships to encourage volunteer contributions to IEEE.

In order to provide some training and inputs to volunteers for organizing conferences and events, two members were sponsored for the Conference Organizers Workshop at Hyderabad on Jun 23, 2013.

Preparations for the All India Students Congress 2013 are in full swing with impressive number of registrations already received. If you haven't registered yet, please do so quickly at http://www.ieeeaisc2013.org/ .

Participating in IEEE events and volunteering for IEEE activities are the best way to become visible within IEEE for even better opportunities to know more, network with key people, get recognized and win appreciation and awards. As more and more people volunteer, we will be able to add more activities and events to engage our members and increase the scale of our section's visibility within the global IEEE fraternity.

Next year your section will be hosting the R10 HTC 2014 Conference at Chennai. A core team is currently doing some groundwork to create the conference structure to make it a memorable conference. Aligned with the mission of IEEE – Advancing Technology for Humanity – the R10 Humanitarian Technology Conference is an important event to showcase developments in technology's contributions to alleviate human pain and suffering.

Till next time,

Yours voluntarily
ranga@ieee.org

Message from the Editor

H.R. Mohan
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Our chairperson, in his message has outlined about "GoogleApps@IEEE" an important and very useful facility being offered to all the members. If you are not registered to use this facility, pl. sign up and start using it. While he has briefed on the support extended by the Section to our student members, has also detailed out the progress of All India Student Congress at Amrita University, Coimbatore and the R10 HTC 2014 Conference being hosted at Chennai.

Contrary to our expectation, this issue of LINK is of 15 pages as against the estimated 8-10 pages because either the institutions are on vacation or the SB activities are yet to start in full swing. We were quite amused to receive reports on various activities held across the state. As you are aware, the digital edition of LINK is evolving, pl. provide your feedback along with suggestions for improvement. We are also interested in having some serious volunteers for the newsletter who can help in hosting the content in HTML format in our Section website. Those interested, may pl. email to hrmohan.ieee@gmail.com Our long term plan is that the OUs (Chapters, Affinity groups, Student Branches) would themselves will publish the content in our Drupal CMS based website.

We are pleased to report the inauguration of the two society chapters at the Madras Section. The Antennas and Propagation Society chapter was formally inaugurated on 21st June with a distinguished lecture programme by Professor Sembiam Rengarajan, California State University, Northridge, USA. The APS is quite ambitious on their activities and look forward to hear from them more in days to come. The IEEE Electromagnetic Compatibility Society chapter was formally inaugurated on 12th July with distinguished lecture programme by Dr. Vignesh Rajamani, School of Electrical and Computer Engineering Oklahoma State University It may be noted that this is the first exclusive EMC society chapter formed in the country. The EMCS is planning to run few workshops for students covering the fundamentals.

In this issue of LINK, we have published report on the various SB activities such as: Kingston Engineering College - National Conference on "Emerging Trends in Information & Computer Technology" & National Conference on "Emerging Vistas of Electrical, Electronics & Communication Technologies"; Faculty Development Programme on "Pedagogical skills" & Academia Industry Meet held at Ranganathan Engineering College; Kongu Engineering College - Inauguration of SB & WIE Activities, INVOKE-13 and a Guest lecture; Akshaya College of Engineering and Technology - Technical Workshops on "Electrical Substation Design using ETAP Software" and "Industrial Automation using LabView Software; Knowledge Institute of Technology - Course on LABVIEW Software Training, Course on PCB Hardware Design, Faculty Development Program on "Teaching learning methodologies"; Coimbatore Institute of Engineering and Technology - Placement Training; National Engineering College - Inauguration of IEEE Computer Society SB Chapter; Sri Muthukumaran Institute of Technology - World Environment Day, Photography Contest on Nature; and Sengunthar Engineering College – SB activities inauguration and guest lecture.

LINK congratulates IEEE PES Madras Chapter for having received the High Performance Chapter Award for 2012 with a cash award of UDS 300. Our congrats are also to Mr. K.V. Rupchand, Chair, IEEE PES.
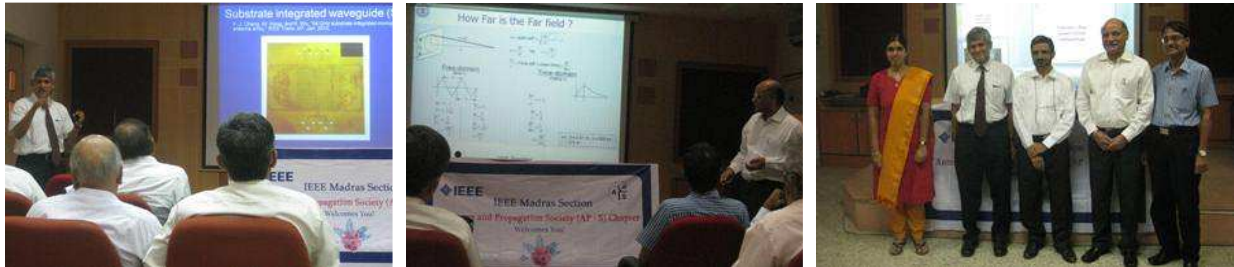
We draw the attention of our readers to the various announcements relating to FDP, AISC-2013, SIGHT solar lamp workshop and contest, Symposium on Techniques & Applications of Bioinformatics, Best Student project Award, International Conference on Intelligent Interactive Systems and Assistive Technologies and Google IT – Online Treasure Hunt and request them to get benefited.

The July 2013 issue of the India Council newsletter IEEE India Info that has few interesting articles, book reviews, TechQuiz, List of Forthcoming events etc., has already been released and the information has been made available to all our Section members too. Pl. access it at http://ieeecs-madras.managedbiz.com/icnl/1307/index.html

Pl. send the matter for publishing as per guidelines at http://goo.gl/Op2dU

IEEE Antennas and Propagation Society Madras Chapter

Inauguration of the chapter & Distinguished Lecture

The 'Inaugural Meeting cum Distinguished Lecture' of the Madras Chapter of the IEEE Antennas and Propagation Society was held on Friday, June 21, 2013. There were 46 attendees – 21 IEEE members and 25 non-members in all including about 10 students.

Prof. Selvan Krishnasamy, the Founding Chair of the Chapter, welcomed the gathering, and listed the following objectives for the Chapter:

- To contribute to quality enhancement of electromagnetic education in the region by organizing, among others, staff development programmes and seminars. A seminar on electromagnetics has been scheduled for October 28-30, 2013. Preliminary discussions have also been initiated to organize a conference on EM education during 2014 summer.
- To contribute to enhanced experience for students undertaking research and development in electromagnetics, antennas and propagation. Toward this goal, a half-day seminar on 'Research and Publishing' has been scheduled for Saturday, July 20, 2013.
- To improve interactions between industry and academe. This objective was the motivation for nominating an industry colleague, Mr. Ganesh Balasubramanian of Amphenol Antenna Solutions, as the Secretary of the Chapter.

Ms. Vidyalakshmi, Graduate Student Member, spoke on the expectations of students from the Chapter. She sought to know the benefits of IEEE membership for students, apart from access to journal and conference articles, which most of the institutions anyway offer.

Professor Sembiam Rengarajan, California State University, Northridge, USA, who delivered the inaugural address, addressed this concern and gave ideas as to how the Chapter can contribute to students. His suggestions included organizing student poster presentations and organizing industry sponsored events, where students would get to interact with industry representatives. In a subsequent response to that query, Prof. Selvan added that IEEE membership could be effectively used for professional networking.

The inaugural address was followed by an invited technical talk by Dr. D.C Pande, Director (Technologies), LRDE, Bangalore. His talk was on 'The impulse radiating antenna.'

Dr. P.H Rao, the Chapter's Vice-Chair, spoke on how the Chapter hopes to continue to organize events for the benefit of its members. He concluded the inaugural meeting with a vote of thanks.

After tea break, Prof. Rengarajan delivered two interesting lectures. The first one was his distinguished lecture entitled 'Design, Analysis and Applications of Waveguide-Fed Slot Arrays.' The second one was on 'Microstrip Reflectarray Antennas: Theory, Design and Applications.'

Report by Dr. Krishnasamy Selvan, selvankt@ssn.edu.in

Kingston Engineering College

NCETICT-13: National Conference on Emerging Trends in Information & Computer Technology

NCETICT-13, a two days National Conference on Emerging Trends in Information & Computer Technology was organized during 8th & 9th June 2013 by Department of Information Technology and Computer Science & Engineering. This National Conference was technically co-sponsored by IEEE Madras Section, ICT Academy of Tamil Nadu.

Dr. G. Baskar, Principal, welcomed the gathering and spoke on the importance of the Conferences, Research & Development in various fields. Thiru. D..M..Kathir Anand, Chairman, in his presidential address, pointed out that automation is the future of technology & that computer science & information technology engineers have a major role to play in every aspect of life starting from agriculture to rocket science.

The chief guest Dr. M. Ponnavaikko, Vice Chancellor of SRM University, Chennai, inaugurated the Conference and delivered the inaugural address. In his address, he took us on a memorable trip down memory lane by narrating the beginnings of computers. His informative talk outlined the sequential development from mainframe computers to FORTRAN, to our current day peer computing, grid computing and cloud computing. His hilarious remarks on robots were both refreshing as well as thought provoking. He reminded us that irrespective of the developments in technology we humans must remember our role and not forget the tasks that we need to carry out. The Inaugural function ended up with vote of thanks by Ms. U.V.Arivazhagu, HOD/IT.

In NCETICT-13, around 150 papers were received from various institutes out of which 46 papers were selected and presented in the conference. Each Paper Presentation session began with a talk given by eminent academicians from leading institutions.

On 8th June the first session was kick started by Dr. C.Tharini, Professor, B.S.Abdur Rahman University, Chennai. Her keynote address on "wireless sensor networks" was very informative and the algorithms for each and every layer in OSI model were highly informative. It gave us a clear picture about the research possibilities in this field as well as the issues faced in wireless sensor networks.

The post lunch session witnessed Dr. T. Mala, (Sr. AP, Anna University, Chennai) addressing the participants about Cloud Computing. She elaborated on how cloud computing is an upcoming trend in information technology. Cloud computing is working on the principle of virtualization and its major advantages are less storage space and less memory consumption. She explained how cloud computing has four types of models and went on to explain the disadvantages such as security issues in storage.

Mr. E. Iniya Nehru (Senior Technical Director, National Informatics Centre, Chennai) was the keynote speaker in Session 3 and he spoke about 'Security in e-Governance Projects'. He mentioned that the e-governance projects put up by the government needed proper security to safeguard it from hackers. This security is required to identify and evaluate potential security threats. He further, stressed that the main requirement is authentication, confidentiality and integrity.

On 9th June Dr. V. Vaidehi (Prof & Head, MIT, Chennai) delivered the keynote address on Fall Detection using Wireless Sensor Networks. Her address was based on health care application using RFID readers and CED funded projects for DST. Dr. M. Anand (Associate Prof, VIT – Vellore) delivered his keynote address on Theoretical Computer Science and elaborated on different molecular structures and importance of memory capacity in DNA based on bio molecular computing.

Dr. R. Saravanan (Sr.Prof & Dean, SITE-VIT, Vellore) in his keynote address on Network Security, explained about the key challenges and issues in security and importance of the emerging trends in security.

In the valedictory function, Mrs. M. Menaka, AP/CSE welcomed the gathering. The certificates were issued to the participants by Dr. R. Saravanan (Sr.Prof & Dean,SITE-VIT,Vellore). The function ended up with vote of thanks by Mrs..J..Daphney Joann, AP/CSE.

NCEVEECT-13 National Conference on Emerging Vistas of Electrical, Electronics & Communication Technologies

A two days national conference on Emerging Vistas of Electrical, Electronics & Communication Technologies, organized by the Department of EEE and ECE in association with IEEE Madras Section was held on 15th & 16th June 2013.

At the inaugural, Professor Dr. G. Baskar, Principal welcomed the gathering, introduced Chief guests and gave an overview of the conference. Thiru. D..M..Kathir Anand, Chairman, delivered presidential address. Prof. D. Thukaram, Dept. of EEE, IISc, Bangalore, in his inaugural address, focused how to publish paper in reputed journals. He explained about the expectations of a reviewer and listed out the possible reasons for the paper to be rejected. He also motivated participants to upgrade their knowledge in emerging technologies. Prof. Nilesh Jayantilal Vasa, Prof. & Head, Dept. of Engineering Design, IIT Chennai, in a special address highlighted the future technologies in power system. The conference proceedings are released by chairman, eminent professors and conveners of the conference.

The aim of the conference is to bring research scholars, academicians and industry delegates together to present new ideas, innovation and research results. In this two days conference, about 127 technical and research papers were presented in 4 sessions in parallel tracks at eight different venues in the areas of Power System, Power Electronics and Drives, Smart Grid, Intelligent Controllers, VLSI Design, Embedded Systems, Nano Photonics, Wireless Network Technologies, MEMS & Digital Instrumentation.

Invited talks by eminent academicians and industry professionals were delivered as detailed below

- Dr. Thukaram, Professor, IISc., Bangalore on Power electronics application in power systems.

- Dr. C.Chistropher Asir Rajan, Associate Professor, Pondicherry Engineering College, Puducherry on Principle, modelling and control of renewable energy sources.

- Dr. Ashwin Kumar Sahoo, Professor, SSN College of Engineering on Power quality issues and energy auditing.

- Dr..N.Kumarappan, Professor, Annamalai University on Soft computing techniques

- Dr. Nilesh Jayantilal Vasa, Professor & Head, IIT Madras on Compact gas sensors for environment & bio medical monitoring.

- Dr. Raja Veerapa, Principal, Global Institute of Engineering & Technology on Smart antennas for wireless and mobile communication.

- Dr..Ramalatha Marimuthu, Professor & Head, Kumaraguru college of Technology, Coimbatore, on Research and assistive technologies.

- Dr. Raja Paul Perinbam, Professor, Karpaga Vinayaga College of Engineering & Technology, Chennai on DSP architecture design essentials".

At the valedictory function, Dr. Baskar, Principal delivered key note address and certificates were issued to participants. The event ended up with vote of thanks by Professor. T. Senthil Kumar, HoD/ECE

Report by: Jayachitra Selvaraj, jayanethaji@gmail.com

Ranganathan Engineering College

Faculty Development Programme on "Pedagogical skills"

A Faculty Development Programme on "Pedagogical skills" was organised on 22nd Jun 2013 in which Dr. P. Livingston Peter Goldwyn, Principal, KTVR Knowledge Park for Engineering and Technology, Coimbatore addressed the gathering. He highlighted the good qualities that a teacher should possess for becoming a successful teacher such as good communication skills, sense of humour, voice modulation, frequent updating of knowledge, good scholarship and being a good citizen without any vices.

Dr. S.Nithiyanadam, Principal welcomed the gathering and Dr. R. Murugesan, President ISTE, New Delhi presided over the programme. Mrs. M. Surya Prabha, Asst. Professor/ Department of English gave the vote of thanks.

Academia Industry Meet: REC-AIM 2013

REC Academia – Industry Meet 2013 was organised on 29th Jun 2013. Prof. Dr. M. Rajaram, Vice-chancellor, Anna University, Chennai, inaugurated the meet and addressed the gathering. He said that the interaction between technical institutions and industry is the need of the hour which cannot be postponed at any cost. He added that the gap that exists between industrial expectations and students' preparedness in the area of soft skills and technical knowledge can be bridged only through healthy interaction between industries and institutions. He also pointed out that institutions can consider sending the faculty to the industries at least for 15 to 20 days in a year to start with and give them specific training in the areas of their interest to enable them go for application oriented teaching.

Dr. P. Tamilarasi Murugesan, Chairperson of Ranganathan Educational Institutions presided over the inaugural function and Dr. S. Nithiyanandam, Principal, Ranganathan Engineering College, welcomed the gathering.

In the meet, Mr. Murale Narayanan Director, Information technology India Centre of Excellence-EMC, Bangalore, Mr. P.S. Badrinath General Manager, AXIS IT &T, Chennai, Mr. Chandrasekar Chenniappan, Head of Human Resources-India Atmel Corporation, Chennai, Mrs. R. Sivakami, HR Business Partner FL Smidth Pvt Ltd, Chennai, Mr. P. Thirunavukkarasu, Senior Manager, Wipro Technologies, Chennai, and Er. S. Balaubramanian, Chief Consultant, SBS Associates, Coimbatore, addressed the participants explaining what the industry people expect from academician, and how the students could be prepared for industry job. They also briefed about the job opportunities available.

Dr. R. Murugesan, President ISTE, New Delhi was the Chief Guest at Valedictory session. Around 300 students and 100 faculty members participated in this meet and benefitted. The event came to an end with vote of thanks by Ms. Amritha Kailesh.

Report by: Mr. Mohan J

Kongu Engineering College

Inauguration of SB & WIE Activities

The Inaugural function of the IEEE SB along with the WIE affinity groupwas organized on 19th Jun 2013. Prof. K. Narayanan, Staff coordinator, started his speech with a warm welcome to the gathering and provided a brief report on the student membership and the activities of the SB. While encouraging the new office bearers for the academic year to give their best, he advised the IEEE members to be socially relevant, responsible and actively participate in the events which are to be conducted in this academic year and encouraged them to come up with innovative ideas.

Prof K. Krishnaswamy, Dean of Curriculum Development and Students Affairs and Vice Principal delivered the presidential address. He was impressed that a girl student is selected as the chairperson of IEEE SB. He blessed the new office bearers to perform well in this year.

Mrs. V.R. Saraswathy, Staff co-coordinator introduced the new office bearers for the year 2013-2014. The year plan of IEEE SB was proposed by Ms. C. Elakkia, Chairperson and the year plan of WIE was proposed by Ms. V. Diashini, Chairperson of WIE.

This was followed by the chief guest's speech. Mr. T.S. Rangarajan, Chairman of IEEE Madras Section and Enterprise Risk Officer at TCS, in his inspiring speech elaborated about the benefits of IEEE. He explained how IEEE is leading the other professional organizations. He also brought the students to light at the present competitions, which are being faced by students and added that in the present day situation of women who are participating in all the fields. Formal vote of thanks was proposed by Mr. D. Palani Mohan, Treasurer.

INVOKE-13

INVOKE-13, a one-day non-technical function was organized by WIE an affinity group of IEEE SB on 29th Jun 2013. This event was a bundled surprise of fun and enthusiasm and started with a welcome address by WIE Chairperson Ms. V. Diashini. In his presidential address, Prof. K. Narayanan, Chief Coordinator, IEEE-KEC spoke about the advantage of IEEE membership and mentioned about the IEEE-Google apps, the new facility extended to all members of IEEE. He also briefed about the Designing of Solar Lamp workshop, which is to be conducted by the IEEE Madras Section, and encouraged the students to participate.

The events included: Visual Hunt, an interacting game to test students' presence of mind. Debate on "Impact of Students on the Society is Healthier or Not". Lingua Franca, a language game in which the students' vocabulary and grammatical knowledge were tested. Quiz in four rounds to test the IQ of the students. Best Manager to display the marketing talents. Students from various departments participated very eagerly and enthusiastically. The programme ended with a formal vote of thanks by C. Ellakiya Chair person, IEEE SB.

Guest Lecture

A Guest Lecture on AGILE SCRUM METHODOLOGY by Mr. Karthikeyan Narayanasamy, Senior Software Testing and quality assurance professional, CSC India Pvt. Ltd., Chennai was held on 6th Jul 2013. He explained about the scrum technology, a quick response to changes by customers. He also made the students to get awareness over the present day competitions which are being faced in software development. He advised the students first to collect all the information and then proceed with the design of the project. Mr. Karthikeyan Narayanasamy, then distributed the prizes for the winners of INVOKE'13, a non-technical function held on 29th June. He appreciated and encouraged the winners.

Report by: S.Amirthamani, s.amirthamani@engineerc.com

Akshaya College of Engineering and Technology

Technical Workshops on "Electrical Substation Design using ETAP Software" and "Industrial Automation using LabView Software"

The IEEE SB and the EEE Dept. organised two technical workshops -- "Electrical Substation Design using ETAP Software" and "Industrial Automation using LabView Software" for the final year UG students of EEE Dept. during 19-29, Jun 2013 in the alma mater.

At the inaugural of the workshops, Dr. J. Jaya, principal extended a warm welcome to the gathering. In a special address, Director Dr. K. Thanushkodi highlighted the necessities of various software in the field of Electrical Engineering and introduced the resource persons from M/s. Power Projects, Kangeyam and M/s. National Instruments, Bangalore.

This programme was conducted in two phases. In the first phase, Mr. M. Ranjith and Mr. S. Selvakumar from Power Projects, Kangayem, focused on electrical power plants and electrical substation design. They incepted with the basics of illumination engineering and also the calculation of illumination in any area using "Dialux" software. In addition, they threw light on the "ETAP" software and its substantial usage in the area of Power System Engineering. Students were provided hands-on training to design electrical machines using ETAP software. Field visit was also a part of this programme, which played a cardinal role in determining the efficiency of various electrical equipments.

In the second phase, Mr. Sriram and Mr. Santhosh Balaji from National Instruments, Bangalore conducted the programme "A course on LabVIEW software and Data Acquisition System". They preluded the LabVIEW software and its usage in engineering. They also highlighted that LabVIEW's comprehensive set of tools that can be used for acquiring, analyzing, displaying, and storing data for easy troubleshooting. Designing of small electrical systems using LabVIEW was also covered.

At the end, Prof. S. Elangovan, SB Counselor proposed the vote of thanks. The event took place in the august presence of Managing Trustee Shri A. Nagarasan, Chairman Shri T. Subramaniyan, Secretary Shri K. Pavithran, Director Dr. K. Thanushkodi, Joint Director Dr. N. Suguna, Principal Dr. J. Jaya, and Heads of various departments, faculty members and students of Akshya College of Engineering and Technology.

Report by: Prof. S. Elangovan, elangoprt@gmail.com

Knowledge Institute of Technology

Course on LABVIEW Software Training

The IEEE SB in association with Dept. of ECE organized a non-formal course on LABVIEW during 17-21, Jun 2013 with Mr. Jagedish from National Instruments as resource person. On the first, the basics of LABVIEW, the wiring and dataflow programming for the data types were explained. The students came to know about the Front panel, Block diagram and Icons in Virtual Instrument. Then creating, editing and debugging the VI were taught. Various examples were practically explained and also made the students to execute. On the second day, the usage of case structure, formula nodes and sequence structures were explained. On the third day, the loops and their examples like sum of even numbers and Fibonacci series were explained. On the fourth day, array concept was explained with detailed examples. On the fifth day, the participants were explained about the data acquisition system, Signal conditioning, DAQ hardware and module types. Then the hardware implementation was shown and explained with various modules. The various LABVIEW exams were conducted and their values were also explained. This course on LABVIEW will be useful for the students in executing their projects.

Course on PCB Hardware Design

The IEEE SB in association with ECE Dept. organized a non-formal course on PCB design during 26-27, Jun 2013. On the first day, brief history, PCB types were provided by Mr. Vaithiyanadhan of RR Circuits. He explained the steps involved in creating a layout using ORCAD software. On the second day, the students were grouped and practical sessions were held to prepare PCB and the basic circuit was also made over the circuit and output was obtained. This course will be useful to the students in their projects.

Faculty Development Program

The IEEE SB in association with Human Resource Development Cell organized a Faculty Development Program 'SYNERGIA' for three days during 24-26, Jun 2013. The freelance trainer C. Anantharaman from Launch Pad, Coimbatore was the key resource person. He taught about the different types of teaching learning methodologies and how to handle classes effectively based on activity based teaching. The program was found to be useful and informative for the newly joined staff members.

Report by: B. Shriaarthi & M. Nethravathi, msece@kiot.ac.in

Coimbatore Institute of Engineering and Technology

Placement Training for Final Year Students

The IEEE SB conducted placement training for the final year students of CSE, ECE, EEE, Mechanical and IT from 17th June 2013 to 29th June 2013. Mr. S.Vijayakrishnan, Training and Placement Officer, Mr. G. Ranjith, Placement Trainer and 10 placed ex-students of CIET trained the students. During the training, they covered aptitude test (arithmetical ability and data interpretation), group discussion tips, technical interview preparation (Data structures, C, C++, Java, DBMS, OS, Software Engineering, Microprocessor and Microcontrollers, EDC, LIC, Communication Engineering, Power Systems, Electrical Machines, AutoCAD, CAM, Thermodynamics, Manufacturing Technology, Dynamics of Machinery, etc.) and HR interview preparation. They also covered effective resume writing, body language, confidence building, and motivation. At the end of the training, mock interviews were conducted for the students to assess and highlight their strengths and weakness.

Report by: Saravanan.B , E-Mail: cietieee@yahoo.co.in

National Engineering College

Inauguration of IEEE Computer Society SB Chapter

The IEEE Computer Society SB Chapter of National Engineering College, Kovilpatti was inaugurated on 10th July 2013 by Mr. H.R. Mohan, Chairman IEEE Computer Society, Madras and Vice President of IEEE Madras Section and CSI and AVP-Systems, The Hindu, Chennai in the presence of Dr. P. Subburaj, Principal and Dr. B. Paramasivan, Professor & HoD/CSE

Mr. B. Mahadevan, the student chair of IEEE CS welcomed the gathering. The Principal in his presidential address stated that memberships in societies like IEEE CS are useful to the students and highlighted the certification programmes and conferences being conducted by the IEEE CS which would help the students in their career.

After the introduction of the chief guest by N. Vinodhini, IEEE CS executive member, Mr. Mohan, formally inaugurated the IEEE CS SB branch by launching a creative video presentation highlighting the salient features of IEEE CS, engineered by the students. In his inaugural address, Mr. Mohan stated that, the younger generation is more creative and innovative. He said that computers have become ubiquitous and pervasive and are playing an important role in all walks of our life through different applications. He traced the development of computer science during last 30 years and highlighted the opportunities available to the students in the major domes of CSE such as hardware, Software, Applications, Networking & Security, Infrastructure and Management. He also briefed on the benefits of IEEE CS membership in keeping one updated with the developments and added excellent facilities like digital library and elearning courses are available for members free of cost.

Ms. I. Muthuselvi, Asst. prof., Dept. of CSE introduced the bearers. Mr. S. Sethu Ram Balaji, executive member proposed the cote of thanks. The arrangements for the inaugural function were made under the guidance of Dr. B. Paramasivan, HoD/CSE with the support from staff coordinators M. Jayalakshmi, A. Shenbagaraman and students of CSE.

Sri Muthukumaran Institute of Technology

World Environment Day

Earth provides enough to satisfy every man's need, but not every man's greed. Conserving environment is an indispensable factor for every human being in this world. To stimulate this factor to the future generations, IEEE Computer Society SMIT hosted an event fostering the "World Environment Day" on June 5th 2013 as celebrated globally.

The event began with a technical talk on "Green Computing" by Mr. M. Prasanth, IEEE CS Chairman. In his talk, he elaborated on preventing environmental degradation using some simple modernized approaches to reduce electricity consumption. He described in detail about Green Data Centers and its importance in the future. The talk was followed by a group discussion on "*Is today's science and technology leading agriculture to boon or bane?*" in which the students debated over different perspectives. S. Abhisek and R. Arunagirinathan from 2nd year CSE were declared as winners in the group discussion.   *Report by: Vaishali Ravindran, vaishalidravindran@ieee.org*

Photography Contest - Nature

Nature promotes better foundation to life. It is an integral part of our lives. The beauty of nature has been extolled in the works of poets and artists since time immemorial. To accentuate the value of nature and its beauty, IEEE COMSOC Chapter of SMIT conducted an offline photography contest on the topic "NATURE" during 13-16, Jun 2013.

Devoted to display the natural elements such as landscapes, wildlife, plants, and close-ups of natural scenes and textures, Nature photography tends to put stronger emphasis on the aesthetic value of the photo than other photography genres, such as photojournalism and documentary photography. This event also marks the first inter college event that has been conducted during summer vacations. About 25 students actively participated and made this event a grand success.

The winning photo was declared based upon the maximum number of votes casted by the viewers. Mr..Divakar of ECE bagged the first prize and was awarded a Certificate. The best photographs will be published in the SB and the department newsletters.

Report by: P S Ramprasath, ramprasath@ieee.org

IEEE EMC Society Madras Chapter

Inaugural meeting and the Distinguished Lecture

The Inaugural Meeting cum Distinguished Lecture of the IEEE EMC Society was held on Friday, July 12, 2013. A total of 43 delegates participated in the meeting. The delegates represented various Industries, Academic Institutions and R&D organisations. Among the delegates there were Eight IEEE EMC society members.

Dr. B. Subbarao, the Founding Chair of the Chapter delivered the welcome address. In his speech he high lightened the formation of the EMCS Madras chapter as a major achievement. It was like a dream come true with lot of efforts put over the years in forming the chapter. The chapter is the first exclusive EMC society Chapter formed in the country. He also briefed the growth of EMI/EMC awareness and activities in the country.

This was followed by the distinguished lecture by Dr. Vignesh Rajamani, School of Electrical and Computer Engineering Oklahoma State University, USA. Mr. G. Mahesh, Scientist-D, SAMEER-CEM introduced the speaker. The lecture titled "A practitioners approach to EMC testing with Reverberation Chambers" evoked good interest in the participants which was evident with the large number of queries made. The lecture was concluded with the vote of thanks by Mr. P. Salil, Vice-Chair / Secretary, EMCS Madras Chapter.

The lecture was followed by the tea session where the participants were involved in discussion on the future events of the chapter. There were a lot of requests for lectures on EMI/EMC at different organisations and colleges. With the inputs, it was decided that the next event will be a workshop for the teachers from the Engineering Colleges, in a way to enable them to pass on the fundamentals to the students. Mr. T R Suresh Kumar, Treasurer, EMCS Madras Chapter agreed to organise the event. This will be followed by industry specific meeting proposed to be held for the benefit of the automobile industry to discuss the problems and issues as well as other suggestions related to the EM compliance.

Sengunthar Engineering College

IEEE Student Branch activities inauguration and Guest lecture

The Inaugural function of the IEEE Student Branch activities was organized on 13th July 2013. Dr. P. Selvan, Professor and HoD welcomed the gathering. Mr. B. Ragavendra, Asst. Prof. & SB Counsellor introduced the office bearers for the academic year 2013-14. Presidential address was delivered by Thiru. M. Balusamy, President. Thiru. S. Sivananthan, Secretary, Er. R. Mohanraj, Correspondent, Dr. A. T. Ravichandran, Principal and Professor. M. Palanisami, Student Affairs offered their felicitations.

Mr. T. S. Rangarajan, Principal Consultant, Enterprise Risk Officer – TCS, Chennai & Chairman, IEEE Madras Section inaugurated the SB activities for the year and delivered a guest lecture on "Rural Energy". Mr. J. Ganesh, IEEE Student Branch Secretary delivered the vote of thanks.

Report by: B. Ragavendra

In Lighter Sense -- Robbery and Lessons

During a robbery in a bank, the robber shouted to everyone in the bank: "Don't move. The money belongs to the State. Your life belongs to you." Everyone in the bank laid down quietly. This is called "Mind Changing Concept Changing the conventional way of thinking".

When a lady lay on the table provocatively, the robber shouted at her: "Please be civilized! This is a robbery and not a rape!" This is called "Being Professional Focus only on what you are trained to do!"

When the bank robbers returned home, the younger robber (MBA-trained) told the older robber (who has only completed Year 6 in primary school): "Big brother, let's count how much we got." The older robber rebutted and said: "You are very stupid. There is so much money it will take us a long time to count. Tonight, the TV news will tell us how much we robbed from the bank!" This is called "Experience. Nowadays, experience is more important than paper qualifications!"

After the robbers had left, the bank manager told the bank supervisor to call the police quickly. But the supervisor said to him: "Wait! Let us take out $10 million from the bank for ourselves and add it to the $70 million that we have previously embezzled from the bank". This is called "Swim with the tide. Converting an unfavorable situation to your advantage!"

The supervisor says: "It will be good if there is a robbery every month." This is called "Killing Boredom. Personal Happiness is more important than your job".

The next day, the TV news reported that $100 million was taken from the bank. The robbers counted and counted and counted, but they could only count $20 million. The robbers were very angry and complained: "We risked our lives and only took $20 million. The bank manager took $80 million with a snap of his fingers. It looks like it is better to be educated than to be a thief!" This is called "Knowledge is worth as much as gold!"

The bank manager was smiling and happy because his losses in the share market are now covered by this robbery. This is called "Seizing the opportunity. Daring to take risks!"

Announcements

25th Faculty Development Programme

Title   : Advanced VLSI Design
Date   : 2-3, Aug 2013
Venue   : Muthayammal Engineering College, Rasipuram
Contacts: Dr. N. Kumarappan, Mobile: 9942055263, Email: kumarappan_n@hotmail.com
              : Dr. S. Nirmala, Professor and HoD/ECE, Muthayammal Engineering College
                Ph: 04287-226837, 220837, Email: metmec@gmail.com

The All India Student Congress 2013

Dates & Venue: 3-6, Oct 2013 at Amrita University, Coimbatore.

It is a never before like opportunity for students to interact with and learn from various leaders and the top brass of IEEE.

The congress will provide impetus for its participants to observe, assimilate and learn from many inspiring sessions and thereby evolve as better leaders for taking on the challenges ahead. It will also be a unique opportunity for students from various disciplines and institutions to interact and exchange ideas and hence benefit mutually.

The congress promises to be an informative yet an enjoyable experience for all its attendees. The first three days will elucidate the various dimensions of IEEE and its host of functionalities, along with a number of fun packed and exciting events. The last day will cater to the raise awareness and bring in more involvement into two societies namely, IEEE Communication Society and IEEE Power and Energy Society.

Come, participate in the congress and ignite the transformation for a lifetime! More details at:
http://www.ieeeaisc2013.org/index.php

IEEE Madras SIGHT in association with The Solarillion presents Solar Lamp Workshop and Contest

Solar Lamp Design Workshop
August 3 - Chennai
August 10 - Coimbatore
August 17 - Nagercoil
August 24 - Salem
August 31 - Erode
September 7 - Tuticorin

Solar Lamp Design Contest
August 17 - Chennai
August 24 - Coimbatore
August 31 - Nagercoil
September 7 - Salem
September 14 - Erode
September 21 - Tuticorin
October - Grand Finale at Chennai

Register now at http://goo.gl/97Vwe Contact : Mukundhan: 9600095291 or Arun Noel Victor: 9840175979

Symposium on Techniques & Applications of Bioinformatics

The Bioinformatics Infrastructure Facility (BIF) for Biology Teaching through Bio Informatics (BTBI) at IIT Madras is organizing a two days symposium, with the support of Department of Biotechnology, Government of India; Global Scientific Information and Computing Center, Tokyo Institute of Technology, Japan; and Education Academy of Computational Life Sciences,Tokyo Institute of Technology, Japan during 27-28, Sep 2013 at IC-SR Auditorium, IIT Madras.

This two days symposium will focus on topics in the below mentioned areas.

- Algorithms for biomolecular Sequences / Structures
- Bioinformatics databases and tools
- High performance computing
- Large scale data analysis

- Protein function
- Structure based drug design
- Applications to specific diseases

Who can apply?: Teachers, research scholars and postgraduate students in areas of life sciences / computer science / bioinformatics, interested in the mentioned research topics. A participation certificate will be given to participants who attend all the sessions of the symposium

Fee (towards symposium materials and lunch on two days): Students: Rs. 1500/=; Research Scholars / Faculty: Rs. 3000/ =; Industry Delegates: Rs. 4000/= . Prior registration and confirmation by the organisers are must. Interested candidates should apply only by e-mail. Fill up the application form available at http://www.biotech.iitm.ac.in/bif/workshop/application.doc and send to iitmadras.tokyotech@gmail.com by 30th Jul 2013. More details at the website: http://www.biotech.iitm.ac.in/bif/workshop/index.html

Congrats to New IEEE OUs

LINK congratulates the following new IEEE OUs of Madras Section recently approved by IEEE HQ.

- Women In Engineering Affinity Group at Saveetha School of Engineering
- Student Branch at Sri Lakshmi Ammal Engineering College
- Computer Society Student Branch Chapter at National Engineering College
- Student Branch at Scad College of Engineering and Technology
- Industry Applications Society Student Branch Chapter at Hindustan Institute of Technology & Science
- Communications Society Student Branch Chapter at Sri Eshwar College of Engineering

Congrats to IEEE PES Madras Chapter

IEEE PES Madras Chapter has received the High Performance Chapter Award for 2012 with a cash award of UDS 300 for the 4th year running. This is in addition to the Outstanding Chapter Runner-up Award ($250) 2012, for the 3rd year running. Congrats to Mr. K.V. Rupchand, Chair, IEEE PES Madras Chapter

Best Student Project Award

IEEE Consumer Electronics Bangalore Chapter is pleased to announce the "Best Student Project Award" for the year 2013. It is an opportunity for the students to showcase their engineering skills to address and solve problems related to society.

Award: Cash award of
Rs. 5000 for First Position
Rs. 3000 for Second Position
Rs. 2000 for Third Position

Eligibility: All undergraduate Engineering students can participate.

Judging Criteria: Impact/Value to the society; Innovation/Novelty - Preference will be given to ideas which are patented or patentable; Total Cost of the solution (Lower the better); Feasibility (Is it a feasible for mass production?); Demonstration (Actual/Final Setup. No paper presentation); and Engineering - How well engineering skills/concepts are applied?

How to apply?: Please submit your personal details using the link https://docs.google.com/forms/d/1ebA0WW72HG8iGHF_oYaAu3vjK1434lCnzGaY_ecYh_I/viewform

Upload your project details to any file sharing website and share us the link in the column provided at https://docs.google.com/forms/d/1ebA0WW72HG8iGHF_oYaAu3vjK1434lCnzGaY_ecYh_I/viewform

Schedule: Last date of collection of proposals - July 31st, 2013; Demo by selected participants - August 31st, 2013.

International Conference on Intelligent Interactive Systems and Assistive Technologies

Dates: August 2-3, 2013
Venue: KCT, Coimbatore, India.
Organized by: Dept. of IT & CSE, Kumaraguru College of Technology and California State University, USA.
Website: www.iisat13.com
Email: iisat13@kct.ac.in

Google IT- An online Treasure Hunt

Jeppiaar Engineering College IEEE Computer Society in collaboration with IEEE Madras Section Student Network & IEEE Computer Society, Madras Chapter organizes "Google IT". This is an online treasure hunt that would ignite the fire in you to find each answer in an interesting way. There are many levels and each clue will make you think in a different perspective. Come on all! Test your hunting skill with this online treasure hunt. Let us see how good are you in cracking the code and how you proceed for the further clues. Only 'Out of Box' thinking can unravel the answer behind the clue. Trust your instinct out what you are capable of!!!! Show us what you have got! Mind is the key to unlock the world around you. Get ready to hunt. As per the treasure hunt norms, the event is supposed to be held until the levels are cracked. And the estimated deadline for the same, will be a weeks time.I.e from 20th July to 27th July. As Google IT is an online event, the website (www.jeppiaarieeecomputer.org) for the event is being uploaded. Visit the site and participate in the hunt.

IEEE Job Site Career Alert

IEEE Job Site delivers a free bi-weekly e-mail report on jobs, education, management, and the engineering workplace from the editors of IEEE Spectrum. Subscribe it at
http://careers.ieee.org/subscribe_alerts/subscribenew.html

IEEE Madras Section membership status as on 1st July 2013

Affiliate	9
Associate Member	112
Fellow	2
Graduate Student Member	1043
Life Fellow	2
Life Member	4
Life Senior	10
Member	2043
Senior Member	118
Student Member	4713
Total	8056