

Chairman's Message

T.S. Rangarajan
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Dear Members

Our Annual General Meeting (AGM) was conducted successfully on Feb 9, 2013 at the Anna University Alumni Center. We were overwhelmed by the attendance – which was over 130 people (more than twice the average attendance each year).

Recently, an IEEE Students Workshop on “Get Wired to the Wireless World” was successfully conducted on 6th Feb 2013 by Dr Sabitha Ramakrishnan (execom member) and Prof T Thyagarajan (immediate past chair) which attracted over 333 participants which was a record of sorts.

Going by this overwhelming attendance, I suppose, your executive committee can infer, that, IEEE Madras Section, with your support and good wishes, is hopefully responding positively to the members' expectations. While such responses and expectations from you motivate and encourage us enormously, we are also conscious of our increased responsibilities to meet your changing expectations and moving goal posts.

A new executive committee with a mix of old and new members has taken charge at the AGM and on their behalf I promise you that we will do our best to meet your demands this year.

The highlight of this AGM was the large number of members and students who were recognized and awarded with cash, certificates of appreciation and plaques received from HQ, R10 and your section. Based on our experience in IEEE volunteer work, we have learnt that it is extremely important to identify, recognize and award volunteers who are selflessly toiling for the benefit of our members. IEEE itself has a large number of awards at HQ, R10 and other OUs. What is required is for us to nominate and support the nominations of our members for such awards. We have to become aware of such awards and recognition opportunities and ensure that we send in the nominations on time. Your executive committee will only be too happy to support your valid nominations and submissions by their endorsements.

I request each one of you to kindly review these opportunities, prepare to apply for them and provide sufficient notice to us if our endorsements are required. We will ensure that we help you win these recognitions and awards. After all who does not appreciate when our section members win these accolades? It is a great way to increase your and the section's visibility in the IEEE community at large.

I have a dream. Our future AGMs should largely become 'Awards and Recognitions Night' like the Oscar, Bafta, Pulitzer, Booker, Nobel, Grammy and Film fare awards. Our volunteers are the real Stars!!

Yours voluntarily
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From The Editor's Desk

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Dear Friends,

We note the AGM 2012 held on 9th feb 2013 was a grand success with a record no. of members (around 130) participating and making it largest no. attended in the recent past. A brief report and few pictures taken at the AGM appear in this issue. We have also published the details of IEEE Execom Members for the year 2013, for reference and interaction. In the next issue of LINK, we will publish the details of the Society & Affinity Group Chairs.

As stated by the Section chairman, in his message, the AGM was an event of joy for all us with recognitions, awards, honours, appreciations to our SBs, Society Chapter and members & volunteers. Let us aim to have more awards in the years to come.

LINK congratulates Mr. Samapthkumar Veeraraghavan for receiving the Young Alumni Distinguished Achievement Award of Tufts University and Mr. H.R. Mohan for being inducted as Golden Core Member in the elite group of IEEE Computer Society for his dedicated leadership and service which have made the IEEE CS the world's preeminent association of computing professionals.

While we could publish the abridged reports on the events held at the following institutions, in this issue of LINK, we were constrained to carry forward many event reports to the next month due space limitations.

JJ College of Engg; M. Kumarasamy College of Engg; Aarupadai Veedu Inst. of Tech.; Kingston Engg. College; Dr. NGP Inst. of Tech; Periar Maniammi Univ.; Kongu Engg. College; Thiagarajar College of Engg; Ranganathan Engg. College; Sri Muthukumaran Inst. of Tech.; PSR Rangasamy College of Engg. for Women; Easwari Engg. College; Kalasakingam Univ.; Jeppiaar Engg. College; Sri Ramakrishna Engg. College.

It was a great opportunity for the members to witness the presentation of Dr. Vint Cert, considered as one of the fathers of Internet. It was organized by IEEE CS along with ACM, CSI & IITMAA. A detailed report on this presentation is published in this issue of LINK.

Reader's attention is drawn to the long list of forthcoming events which comprises of a no. of national and international conferences supported by the Section and Society Chapters such as IEEE CS. Readers may make use of the opportunity to share their research findings by submitting papers and benefit by participating in the conferences.

While many SBs submit their event reports adhering to the guidelines provided at <http://goo.gl/8KFdM> we note, still a no. of SBs are not following the guidelines. In these cases, it is becoming difficult for us to consolidate information to publish in the newsletter. We once again request all to follow the guidelines.

J.J. College of Engineering and Technology

INCOSSET-2012



An International Conference on Emerging Trends in Science, Engineering and Technology (INCOSSET-2012) was conducted during 13th & 14th Dec 2012 covering 5 themes — Integrated Information, Communication and Computing Technology; Engineering disciplines of Production, Aeronautical, Mechanical, Material Science and Energy; Environmental and Civil Engineering; Electrical Power Drives and Controls, Instrumentation, Automation and Robotics; and Science and Management. The INCOSSET-2012 conference papers are published in IEEE and Springer proceedings.

Around 250 scientific researchers and academicians attended the conf. in which 160 papers, carefully selected from 700 received were presented in 20 technical sessions. Video conferencing facilitated the keynote speakers and few registered authors who could not attend in person to present their ideas and methods in a lively and accessible way.

Dr. Yukio Tamura, Director, Global Center of Excellence Program, Tokyo Polytechnic University, Japan inaugurated the conference and addressed on “Recent topics in

wind engineering and building aerodynamics special reference to 634m high Tokyo Sky Tree”. The keynotes include the following:

- Dr. Mohd Zaid Bin Abdullah, USM’s School of EEE, Malaysia on “Microwave Technology”.
- Dr. S. G. Ponnambalam, Monash University, Malaysia on “Evolutionary Algorithm for Flexible Assembly Line Scheduling”
- Dr. Shen-En-Chen, Associate Professor, University of North Carolina, Charlotte, USA on “Network-Wide Transportation Infrastructure Monitoring Strategies and Enabling Technologies”.
- Dr. Samavedham Lakshmi Narayanan, National University of Singapore, Singapore on Mathematical Modeling and its Relevance to the Management of Epidemics/ Infectious Disease.
- Dr. S. R. S. Prabakaran, Manipal International University, Malaysia on “Will NANO Technology Dominate 21Century and Beyond?”

Dr. M. Ponnaivaikko, Vice-Chancellor, SRM University, Chennai, was the Chief Guest and delivered the Valedictory Address on the second day of the conference.

M. Kumarasamy College of Engineering

Guest Lecture on “Software Development and its Future”



The student branch chapter of the IEEE Communication Society organized a guest

lecture on “Software Development and its Future” by Ms .C. Porkodi for the benefit of ECE Dept. students on 12th Jan 2013.

The speaker, in her talk, explained the concepts in creation of software with hands-on examples from her work place. She emphasized on the need for learning the computer languages such as C, C++, JAVA, etc. The software development life cycles was also dealt covering the different types such as the waterfall model, spiral model and the agile mode. Data Warehousing and its importance was also explained with examples from day to day life. She pointed out that software plays an

important role in solving the problems faced by humans in the life.

She advised the participants to update themselves with the current advancements in the field of software development. The recent trends such as cloud computing was also a part of the talk. She concluded that enhancing the knowledge on various software and their applications will pave the way to start off a good career in the field of software. The student members clarified their queries relating to the development of the software, and its future prospects from the speaker.

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Aarupadai Veedu Institute of Technology

Workshop on Software Project Basics for Young Engineers

IEEE CS Branch Chapter of AVIT and Dept. of CSE & IT organized a one day national level workshop on “Software Project Basics for Young Engineers” on 5th Jan 2013. Mr. Kannan Narasimhan, Asst. Vice President – Quality, Mahindra Satyam, Chennai was the resource person at the workshop. Dr. J. Shanmugam,



principal delivered the presidential address. Dr. M. A. Dorai Rangaswamy, Dean (CSE) welcomed the gathering briefed about the theme of the workshop. Prof R. Kalavathy, vice principal proposed the vote of thanks. Mrs Vijila, Ms Hemaprabha, Mr Vijayaragavan, Mr Selvakumarasamy, faculty members of CSE organized the workshop and conducted it successfully. About 50 participants including the faculty members and students attended the programme and benefited.

Presentation on “The Future of the Internet”



On 24th Jan 2013, at a joint public lecture programme organized by IIT Madras Alumni Association along with the ACM Chennai Chapter, IEEE Computer Society Madras Chapter and Computer Society of India Chennai Chapter at IIT Madras, Dr. Vinton G Cerf addressed a gathering of over 400 IT professionals and academic and student community on the Future of Internet.

Mr. H.R. Mohan, Chairman of IEEE CS, in his welcome address stated that the TCP/IP protocol co-developed by Dr. Vint Cerf paved the way for the modern Internet on 1st Jan 1983 and it had revolutionized our day-to-day life. He added that it is a great opportunity for us to learn about the future of the Internet from one of the fathers of Internet Vint Cerf.

Dr. Janakiram, Chairman, ACM Chennai Chapter, in his formal introduction stated that Dr. Vint Cerf, the current president of Association for Computing Machinery is a great visionary and has been working on Internet right from its early days when it was a project of DARPA. Dr. Cerf, apart from being a Turing Award (considered as Nobel Prize in Computing) winner has received the U.S. National Medal of Technology and Presidential Medal of Freedom, the country's highest civilian award. Dr. Cerf has received several awards and has served and serving in the boards of many organizations associated with the Internet. Dr. Cerf, a doctorate in Computer Science from UCLA, has been awarded honorary doctorate by over 30 universities all over the world and is also a fellow of major computer and technical societies and associations such as ACM, IEEE, BCS, American Association for the Advancement of Science, International Engineering Consortium, Swedish Royal Academy of Engineering and many more. He also serves as the Vice President and Chief Internet Evangelist at Google, USA.

Dr. Vint Cerf, started his talk, outlining the global & regional statistics on Internet and then highlighted the status in India and briefed on the steps to be taken to increase the access in India. While speaking on the recent changes in the Internet scenario, he briefed on IPv6 to co-exist with the current IPV4, International Domain Naming, new gTLDs, Domain Name System Security, Digitally Signed Address Registration, Sensor Networks, Smart Grid, Mobile Devices and Internet enabled devices. He added that the following are some of the technology challenges the Internet is facing: Scaling issues to avoid centralization and information latency, Border gateway protocol for Openflow networks, issues beyond addressing, Configuration management and access control in the Internet of Things, issues in certificates and Certification, Role of trusted computing modules in hardware and software design, paranoid browsers and sandboxes, Inter clod protocols and architecture, and Delay and disruption tolerant networking and public safety Nets. He said that Smart Grid is the way to look into the future by highlighting Smart Grid Interoperability Panel, Smart Energy Profile, Configuration, Control & Reporting, Safety and

Security, Production vs Consumption, Analytics and Loosely Coupled Power Grids.

In the area of Internet Policy Challenges, Dr. Cerf spoke about the Internet Governance, Role of ITU, Privacy, Safety and Security, Digital Signatures, Intellectual Property and Digital Vellum focusing on preservation of data and software. He concluded his talk outlining on The Inter Planetary Networking Special Interest Group (IPNSIG) which seeks to promote effective data communications over interplanetary distances. He said that communicating over those vast distances and in the challenging (for data communications) environment of space requires a really different approach to networking than that ubiquitous networking environment we are most used to. His one hour 20 minutes uninterrupted streaming like talk was enjoyed by everyone. He spared his time to answer a no. of queries from the audience.

At the time of vote of thanks, standing ovation was given to Dr. Cerf. Mementos were presented to him by Mr. A. Chandrasekaran, Chairman of CSI Chennai and Mr. K. Bhaskaran, President of IITMAA.

Kingston Engineering College

Inauguration of the Student Branch

The inauguration ceremony of the IEEE SB took place on 29th Jan 2013. Prof. G.Baskar, Principal of Kingston Engineering College, welcomed the gathering and introduced the chief guest Mr.T.S. Rangarajan, Chairman, IEEE Madras Section. In his address, the chief guest briefly highlighted the significance of IEEE, need of becoming member of IEEE and the member benefits. He advised all the students to become member of IEEE as it will help them in



their future career. The program ended up with the vote of thanks by Ms. S. Jayachitra, coordinator of SB.

Report by: Jayachitra Selvaraj,
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Dr. N. G. P. Institute of Technology

DLP on “Embedded Computing Systems”

The IEEE Computer Society Madras Chapter supported ACM Distinguished Lecture Programme by Dr. V. Lakshmi Narasimhan, Professor, Computer Science, East Carolina University, USA on the topic “Embedded Computing Systems” was held on 30th Jan 2013.

Dr. S. Suresh Kumar, Director (Research) welcomed the gathering. Dr. S. Dhandapani, Advisor, delivered the presidential address and Dr. K. Porkumaran, Principal felicitated.

The distinguished speaker, Dr. Lakshmi Narasimhan gave a brief insight on ACM and enumerated the importance of “Fitness for Purpose” as key criteria in Embedded Systems citing real-time examples. He enlightened the gathering with his knowledge on Embedded Computers and Embedded Automotive Systems drawing attention to embedded systems hardware, process management, threads control, mutual exclusion & synchronization, issues in scheduling, pre-emption & priorities, micro



kernel design, deadlock detection & prevention, interrupts handling, communication and multiprocessing. The lecture covered the application of emerging trends in the field of Embedded Computing and Biomedical Engineering with discussion on real case studies.

The program received overwhelming response and was attended and appreciated by over 300 participants with representation from

17 academic institutions all over TamilNadu. The lecture had appropriately educated all the audience about various aspects and attributes of embedded computing and included factors contributing to building a great career. Mr. P. Mahesh Kumar, faculty member proposed the vote of thanks.

Report by: Dr. S. Suresh Kumar, dr.s.sureshkumar@ieee.org

Periyar Maniammai University

DLP on “ Genderization issues in Software Development Life Cycle”



On 25th Jan 2013, the Dept. of Software Engineering, Periyar Maniammai University organized the IEEE Computer Society Madras Chapter supported ACM Distinguished Lecture by Dr V.Lakshmi Narasimhan, Professor, Department of Computer Science, East Carolina

University, USA on the topic “Genderization issues in Software Development Life Cycle”.

Mr. A. Satheesh, HoD/Software Engineering welcomed the gathering. Dr. K. Lakshmi, Asst. Dean, School of CSE delivered the inaugural address. Dr. N. Ramachandran, VC, Periyar Maniammai University presided over the function.

Dr. V. Lakshmi Narasimhan began his talk mentoring about ACM and pointed out the benefits of ACM membership. He focused on the issue of organisational genderization and impact of genderization in software development life cycle, how genderization is used to improve effectiveness of the task and activity of each and every phase of the SDLC. He also stated the importance of genderization in work place and personnel life for the young technocrats. He also gave a real structure of the software engineering work culture. Participants from various institutions were benefited with his lecture and the observations would be useful in addressing issues that arise in increasing the number of technocrats in computing, software education and other related areas. The lecture ended with the vote of thanks by Mr. A. Haja Alaudeen, Asst. Professor, Dept. of Software Engineering.

Report by: Satheesh Abimannan, headmsc@pmu.edu

Kongu Engineering College

INTUIT’2013

The INTUIT’2013, one day function on non-technical events was organized by WIE on 19th Jan 2013. The events conducted in INTUIT were Quiz Whiz, Visua Ratia, Adv-Marks and Think Wise. INTUIT’2013 started with the event “Quiz Whiz” in which the general knowledge



was the basic need to participate which was followed by the event “Infinite Intelligence” which tested student’s knowledge of present scenario. The next event “Visua Ratia” was a

test for the time management and recognition and memory of the students which was followed by “Adv-Marks” in which the platform was provided to exhibit the students’ marketing skills. The event “Think Wise” tested the reasoning and logical thinking ability of the participants. Consummately, the INTUIT’2013 was a blowout for the creative minds of our college.

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Thiagarajar College of Engineering

TELETEC

TECHUTSAV, one of the grand technical junctures of the south was organized on 22nd Jan, 2013 jointly by the Dept. of ECE and the SB. Mr. Alok Nath De, Chief of R&D, Samsung was the chief guest who in his address discussed about ten ways of doing 'Smart Engineering' which was the theme of this year's Teletech.

After the inaugural, a series of tech events first being the paper presentation followed by project display, crossword puzzles, quiz on microprocessors and controllers were held. In all these events, the participants were expected to exercise their smart engineering brains and effectively display their wisdom. There were



also a few fun events namely the Casino Royale- a gaming event and Mr. And Ms. Teletech- a technical cum managerial event which knocked out the wit and humour inside every daring contestants. Apart from these on-the-day

events there were also a few online events like photography and treasure hunt. Over 300 young engineers participated with zeal in this one day programme.

Report by: K. Kalyani

Ranganathan Engineering College

Guest Lecture



A guest lecture on "Recent Trends in Electronic Design" was conducted on 9th Jan 2013 with Er. R. Sundar, Chief Engineer (Design), Interlogicx Embedded Solutions Pvt. Ltd, Pondicherry as the guest speaker. While speaking on the subject, he talked about the Embedded Systems technology and its applications in the day to day life. His presentation was interactive with a no. of animated video clips. He was also accompanied by Er. M. Vijaya Kumar, Senior Manager. The lecture was helpful to understand the Embedded System applications beyond the theoretical knowledge.

Report by: Mr. J. Mohan

Project Presentation



The students of EEE Dept. R. Ranjith Kumar, N. Madheswaran, D. Aravinth, P. Ramar, and N. Tamilmaran participated in *ELECTROTEK'13* held from 23/01/2013 to 26/01/2013 at CODISSIA in association with TANGEDCO, Coimbatore and presented their project "Micro Hydel Power Plant". The main aim of the project is to produce power from a cheap and reliable system which can be implemented in homes, offices, hospitals, institutions etc., where the usage of water is frequent. A small size pelton wheel turbine is fixed inside a four inch pipe. It is coupled to a shaft which in turn is connected to a DC generator. Electrical energy thus obtained is stored in a battery. There was a good response from industrialists for this project to commercialize.

Guest Lecture



A guest lecture on "Career Opportunities in Technology and Media" was organized on 1st Feb 2013 which was attended by the final year students and third year students. Mrs. Mahalakshmi Sridhar, HoD/EEE welcomed the gathering and Dr. S. Nithyanandam, Principal presided over the function. The chief guest Mr. S. Seetha Raman, Executive Director, Campus Images briefed about the career opportunities

in the media and infused confidence in everyone stating that anyone can reach greater heights if he has the real talent. He also gave the job opportunities to the final years and pre-final students. He then explained about the advertisement technologies being used in his company. The students had a chance of getting introduced to the world of animation and multimedia beyond the regular exposure to technical and professional engineering.

Report by: A.P. Anila

Coimbatore Institute of Engineering and Technology

Career Guidance Programme



A career guidance programme for the final year students was organized on 26th Jan 2013. About 400 students from CSE, ECE, EEE, IT and Mechanical participated in the programme which was conducted by Mr. S. Vijayakrishnan, Placement Officer, CIET. He highlighted on the current recruitment scenarios, IT/ITES and core company openings, bridging the skill gap between industry and the institutions, higher education, importance of soft skills and other languages to communicate with different set of stakeholders in the IT/ITES industry.

Report by: Saravanan.B

Sri Muthukumaran Institute of Technology

Inauguration of IEEE Communications Society Student Branch Chapter

The inauguration of the IEEE Communications Society Student Branch Chapter was organized by the members of the Communications Society on 24th Jan 2013. About 150 members attended the function.

The Chief Guest of the ceremony was Dr.N.R.Alamelu, Chairman, IEEE Communications Society, Madras Section and the Guest of Honor was Mr. M. Barnabas Muthu, Mentor, Madras Section Student Network. After the formal inauguration of the chapter, the Chief Guest spoke on the opportunities available to maintain and develop a successful professional branch chapter. A



motivational talk on “The leadership skills and quality of a good leader” followed the inauguration.

The hard work of the members of the SMIT SB with extra-ordinary support from

Prof. D. Shanthi Cheliah, HoD/ ECE, SB Counselor and Chapter Advisor made the event a successful one.

Report by: Maheswaran.P

P. S. R. Rengasamy College of Engineering for Women

Inauguration of IEEE SB activities



The IEEE SB activities for the year 2013-14 was inaugurated on 21st Jan 2013. The Chief Guest, Major V.V.Chandrasekharan (Retd.), Hony. Secretary of IEEE Madras Section addressed the gathering and highlighted the benefits and importance of IEEE SBs. He added that IEEE will be a right platform for the students for their overall development. He advised that the students should update themselves according to the competing environment. Dr. K. Ramasamy, principal, delivered the presidential

address. The function was felicitated by Thiru. Sundar Ramdoss, Director, P.S.R. Group of Institutions and it was organized by Mrs. S. Saranya, HoD/EEE. SB counselor Mr. S. Gunasekaran, Dept. of EEE welcomed the gathering. IEEE student member Miss. T. V. Rajeswari of EEE introduced the Chief Guest and Student Chair Miss. A. Vinothini of EEE propose the vote of thanks.

Report by: Gunasekaran S, gunasekaran@psrr.edu.in

Easwari Engineering College

Swami Vivekananda's 150th Birth Anniversary Celebrations

On 9th Jan 2013, a guest lecture was organized as a part of Swami Vivekananda's 150th birth anniversary celebrations. The guest of honor was Mr. S. Vishwanathan, Head of Vidhyabharathi, an educational institution serving all over India through more than 26,000 schools and nearly 500 colleges.

The programme started with the welcome address by Dr Saraswathi Janaki, HoD/ECE followed by introductory speeches by the principal, vice principal and the IEEE coordinator, Mrs. Meenakshi Vidhya.

The guest speaker, Mr. Vishwanathan in his inspirational and motivating speech, cited examples from the life of Swami Vivekananda on his mission to empower the youth of the country in order to uplift Indian culture, heritage and religion and make India a utopian society for other nations to emulate. He emphasized

that in order for the country to tide over all predicaments that it is facing, the youth of the country must evoke in themselves the qualities of bravery, sheer determination and must also possess the motivation to sacrifice everything for the sake of their motherland, by drawing inspiration from great leaders and martyrs who willingly forfeited their lives for the sake of the country. He insisted on the need to inculcate the principle of “Desha Bhakti” amongst youngsters for improving the quality of life led by all Indian citizens.

The program was successful in stirring up patriotic feelings among the audience for it was definitely the need of the hour as the current generation has to realize its responsibility towards the nation and must take steps to reform and revolutionize the society in order to realize the visions of charismatic and great leaders and aspire to build a nation which is cherished and honored by all.

Guest Seminar on Empowering Software Engineers

On 17th Jan 2013 a guest seminar on the topic “Empowering Software Engineers” was

organized with Mr. Dhian Singh and Mr. Murali Kumaraswamy from Purna Solutions as guest speakers. The audience comprised of 2nd and 3rd year IEEE members. The session began with a brief introduction about IEEE and the way it has influenced the various fields of engineering. The speakers explained the genesis of software and traced its development over the years. They enlightened the audience regarding the current scenario of the software industry and emphasized on the need to bridge the gap between Institutions and Industry. Mr. Dhian Singh highlighted on the opportunities and the current trends of software engineering in areas such as mobile payments, social commerce, cloud computing and also the scope to implement software in electronics such as in the case of yield management. Mr. Murali then explained about the SWEBOOK (SoftWare Engineering Body of Knowledge) program and the CSDA examination and its benefits.

Report by: Dheeptha. M, dheeptha.m@gmail.com

Kalasalingam University

Workshop on “Multi Objective Optimization using Evolutionary Algorithms”

The IEEE SB organized a one day workshop on “Multi objective optimization using Evolutionary Algorithms” on 2nd Feb 2013. Dr S. Radhakrishnan, Dean, International Relations was the chief guest at the inaugural function. Dr D. Devaraj, Dean, Planning and Development and SB Counselor welcomed the gathering and gave an overview of the workshop. In his inaugural address Dr S. Radhakrishnan outlined the importance of optimization in engineering field and the power of the evolutionary algorithms in solving the real-life optimization problems.

The resource persons for this workshop were Dr D. Devaraj, Dean, Planning and Development, Kalasalingam Univ.; Dr T. Aruldoss Albert Victoire, Associate Prof., Dept. of EEE, Anna University, Coimbatore; Dr P. Ganesh Kumar, Asst. Prof., Dept. of IT, Anna University, Coimbatore; Dr K. Valarmathi,



Prof., Dept. of EEE, Kalasalingam Univ., Dr R.Narmatha Banu, Prof., Velammal Engineering College, Madurai.

The topics covered included: Evolutionary Algorithms for optimization problem; Multi objective Genetic Algorithm; Differential Evolution Algorithm; Particle Swarm Optimization algorithm; Case studies on Multi objective GA for Security enhancement and real coded GA for PID Controller tuning. In addition to the technical presentations the participants

were given the hands-on training to develop the Matlab code for Evolutionary Algorithms.

The workshop was attended by 65 faculty members and students from various colleges and received excellent feedback. Dr V. Vasudevan, Registrar, Kalasalingam Univ., and Dr T. Aruldoss Albert Victoire, distributed the certificates to the participants. Mr R. Arunkumar, SB chairman proposed the vote of thanks.

Report by: Dr. D. Devaraj.

Jeppiaar Engineering College

TRIUMPH'12



The IEEE SB organized “TRIUMPH’ 12”, in order to reward those minds who walked from failure to failure with no loss of enthusiasm, thus paving the road to success. The guests of the day were Dr. Sushil Lal Das, Principal of Engineering & Technology; Dr. N. Thangavel, Principal of Management & Science; Dr. J.Helen Chandra on behalf of HoD/ Biotechnology; Mrs. Sridevi, HoD/EEE; Mrs. Sudha, HoD/E&I; Dr. Sabitha Raj, HoD/IT and Dr. Jyothi, HoD/CSE. SB counsellor Mr. Sellakumar felicitated the chief guests.

The event was hosted by Ms. Pragnya Srinivasan, Dept. of IT. After the warm welcome by Mr. Krishna.V.S, Dept. of EIE, a video release was done by Mr. Joseph Peter, Dept. of CSE

which depicted the journey of the SB in 2012. After this, magazine designed by Mr. Arun Noel

Victor, Secretary, SB, documented by Ms. Apoorva P Naidu, Secretary of WIE, and design assisted by Mr. Joseph Peter was launched by Dr. Sushil Lal Das. A summary on the list of events and achievements that took place in 2012 was presented by Ms. Sree Rakshaa, Dept. of ECE. It was a proud moment for all of us to actually know that there were a number of achievements. It also inspired us to be aware that we should be responsible for making our SB even bigger and better in the following years to come.

Dr. N. Thangavel rewarded the 2011 SB EXECOM members for their extra-ordinary performance which was followed by rewarding the 2012 SB EXECOM. The HODs of various

departments distributed the prizes to the winners and the participants of TRIVIA TIME, TAP-4, TECH FILM and DEBATE competitions. Finally, the reward function came to an end when the 2012 SB were bestowed with a memento for their great efforts to form and lead the IEEE team of JEC. Mr. Manoj Reddy G, chairman, SB who has always been the inspirational source along with his team selected the core members of SB for 2013. The function finally ended with a vote of thanks by Mr. R. Surendar, Dept. of EEE expressing immense gratitude to the Chairman, Col. Jeppiaar for the opportunity to establish the SB and enhancing our passion towards engineering and the SB Counselor Mr. S Sellakumar for his support and guidance throughout the year

Report by: Santhosh Kumar. S, santhosh130993@gmail.com

Inauguration of IEEE Communications Society

Jeppiaar Engineering College inaugurated the IEEE Communications Society chapter on 21st Jan 2013 with a great zeal. The event was graced by the presence of Colonel Dr. Jeppiaar, principals Dr. Sushil Lal Das, Dr. N. Thangavel, and Mr. T.S. Rangarajan Chairman IEEE Madras Section. The inaugural event started off with the welcome note by Dr. Sushil Lal das followed by the inaugural speech of Colonel Dr. Jeppiaar. He mentioned the benefits of the formation of

various societies and appreciated the staffs and students in inaugurating a society which aims at inculcating several qualities needed in an engineering student which teaches him to lead, network and inspire. Mr. T.S. Rangarajan enthralled the audience by sharing his experience with IEEE. Having done several assignments and projects on RFID, he mentioned about the

technological developments on RFID. Then the event was carried on with the list of achievements of the students of the college. The chair of the society chapter Mr. Nivas Ravichandran answered several queries from students and the faculties. Mr. Anand, coordinator, IEEE Madras Student Network addressed the students on carrier planning. The

inaugural event also witnessed the launch of the chapter's e-newsletter "COMCAST". We would like to thank our chapter advisor and HoD Dr J. Venugopala Krishnan and all the staff coordinators who encouraged us.

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Sri Ramakrishna Engineering College

IEEE SB & WIE Activity

A group of 33 students and six faculty members from Government Higher Secondary School of Munalur, Tirupur District had visited the institution on 19th Jan 2013 as a part of their educational tour. They were taken around various department laboratories and the central library and were explained about the equipments and computing facilities available. After the tour, the students and the faculty members of the school attended a special talk on "Career Opportunities for School Students" by Prof. S. P. Rajkumar, Professor and HoD/EEE who provided an insight into the various career opportunities available to the students. He explained briefly about the career planning and decision making. Dr. M. Senthamil Selvi, Professor, Dept. of IT concluded the session by rendering the vote of thanks.

WIE: Special talk on "Women Empowerment and You"



A special talk on "Women Empowerment and You" was delivered by Mrs. Sreejaya, a leading and successful lawyer in Coimbatore on 19th Jan 2013. She provided an insight into the transition of the roles of women two generations earlier and the current scenario. In her talk, she emphasized that empowerment truly comes when both men and women have a level playing field. When women are denied opportunities, roles, responsibilities we deny them the base

for empowerment. Stress was given on the minute encounters that women face in workplace, home where change of attitude has to take place. Change starts at home, after all the men on the earth are brothers, sons and fathers of various families she pointed out. Citing various examples of how women should be cautious regarding the personal information divulged to fellow workers that could be misused, she gave us the precautionary push. Giving her example as a lawyer, and someone whose work takes her to different parts of the world, she states that women of this generation are capable of doing things alone without expecting aid from husbands or fathers. With regard to punishments awarded to defaulters, her perspective is that prevention is better than cure. The crime rate doesn't come down despite being given a life imprisonment or a capital punishment, she said. The criminal only makes use of the opportunities and we shouldn't we giving them one. One should be alert and awake during all times of public travel or during the night time.

Forthcoming Events

National Symposium and Technology Exhibition 2013. Micro-Grids: Laboratories to Real Markets. February 22-23, 2013 at Hyderabad. Website: <http://pes.ieeehyd.org/nste13>

NCICSAT-2013: National Conference on Intelligent Control Systems and Automation. February 28, 2013 at SRI Sairam Engineering College, Chennai. Contact: renganathan.ice@sairam.edu.in

NSATSE-13: National Seminar on Architectural Thinking for Software Engineers. March 4-5, 2013 at SRM University, Chennai. Contact: nsatse2013@gmail.com

NCISE-2013: 5th National Conference on Information and Software Engineering. March 22-23, 2013 at Aarupadai Veedu Institute of Technology, Chennai. Contact: Dr. A. Anthony Irudhayaraj, ncise2013@gmail.com Website: www.ieeeecs-ncise.com

INCOS'13: 4th National Conference on "Intelligent Techniques in Control, Optimization and Signal Processing". March 22-23, 2013 at Kalasalingam University, Krishnankoil, Tamilnadu, India. Contact: Dr D. Devaraj, ieeeklu.studentbranch@gmail.com Website: www.kalasalingam.ac.in

Skill Development Programme on "Artificial

Intelligence Methods in Engineering". March 27-28, 2013 at M. P. Nachimuthu M. Jaganathan Engineering College, Chennimalai, Erode, India. Contact: ieeemas@airtelmail.in / ieeemas@gmail.com

NCVESCOM 2013: 6th National Conference on VLSI, Embedded Systems, Signal Processing & Communication Technologies. April 3, 2013 at Aarupadai Veedu Institute of Technology, Chennai. Last Date for Paper Submission : 23/02/2013. Contact: Prof. D. Vijendra Babu, ncvescom@gmail.com Website: www.avit.ac.in

Workshop on Mobile Cloud Computing. April 4, 2013 at Velammal Engineering College, Chennai. Contact: tifacore.ganesan@velammal.edu.in or tifacore.anithajulian@velammal.edu.in Website: <http://tifac.velammal.org/>

ICT-2013: IEEE Conf. on Information and Communication Technologies. April 11-12, 2013 at Noorul Islam University, Kumaracoil, Thuckalay, Kanyakumari district, Tamil Nadu, India. Contact: icict2013@gmail.com Website: www.icict.in

ICCPEIC-2013: International Conference on Computation of Power, Energy, Information and Communication. April 17-18, 2013 at Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India. Website: <http://adhiparasakthi.in/sites/eee/iccpeic/>

ICHCI'13: IEEE International Conference on Human Computer Interactions. August 23-24, 2013 at Saveetha University, Chennai, India. Website: <http://www.ichci.in/>

R10-HTC2013: IEEE Region10 Humanitarian Technology Conference 2013. August 26-29, 2013, at Tohoku University Kawauchi-North Campus, Sendai, Japan. Website: <http://www.r10-htc2013.org/>

LCN-2013: The 38th Annual IEEE Conference on Local Computer Networks (LCN). October 21-24, 2013 at Citigate Central, Sydney, Australia. Paper registration: April 5, 2013. Website: <http://www.ieeelcn.org>

CCEM-2013: IEEE International Conference on Cloud Computing for Emerging Markets. October 16-18, 2013 at Bangalore, India. Website: <https://ewh.ieee.org/ieee/ccem/>

ICGCE-2013: International Conference on Green Computing, Communication and Conservation of Energy. December 12-14, 2013 at Chennai, India. Website: <http://www.rmd.ac.in/icgce2013/>

ANTS-2013: 2013 IEEE International Conference on Advanced Networks and Telecommunications Systems. December 15-18, 2013 at SRM University, Chennai, India. Contact: hod.itce@ktr.srmuniv.ac.in

Report on IEEE Madras Section AGM for the year 2012

The IEEE Madras Section AGM for the year 2012 was held on 9th Feb 2012 at the Conf. hall at the Alumni Centre, College of Engineering, Anna University. About 100 members attended the AGM.

Mr. T.S. Rangarajan, Section Chairman, welcomed the gathering and provided an overview and the highlights of the Section activities during the year 2012. He thanked all the members and the execom for extending their support in carrying out the activities of the Section. He added that during this year, our Section members received a no. of awards from the HQ and then presented those awards to the recipients. He then presented certificates of appreciation to the Section and student volunteers.

Mr. H. R. Mohan, Vice Chairman and the Editor of IEEE MAS LINK, then announced and presented the cash awards & certificates of appreciation to the best performing Student Branches (St. Xavier's Catholic stood first, followed by Kongu & Jeppiaar), Technical Society Chapters (IEEE CS topped, followed by WIE & PCS) and the Student Branches with largest no. of members (Satyabama Univ. topped, followed by Velammal & Kongu).

After the confirmation of the minutes of the AGM 2011, Secretary

Major V.V. Chandrasekharan, presented the Secretary's Report for the year 2012 detailing out the section, society, student branch activities, membership status and development etc., The report was approved by the general body. The full report is available at the Section website for reference.

Ms. S. Hemamalini, Treasurer, then presented the Audited Accounts for the year 2012 which was also approved by the GB. The current auditors Kumar & Raj were re-appointed for one more year by the approval of AGM.

Dr. T. Thyagarajan, on behalf of the Nominations Committee, presented the report on the Execom slate of the Madras Section for the year 2013 and inducted the new Execom with Mr. T.S. Rangarajan as the chairman. The other newly elected members of the execom were introduced to the general body. The List of Office Bearers, Execom Members and their contact details are provided for reference elsewhere in this month newsletter.

After the outgoing and the incoming execom members & senior members of the Section were honoured, Secretary, Major. V.V. Chandrasekharan proposed the vote of thanks.



Chairman Address



Secretary Presenting the Annual Report



Treasurer Presenting the Audited Accounts



Vishnu, the Inductor of maximum no. of IEEE Members



MGA Award to Mr. A. Darwin Jose Raju



MGA Award to Mr. Barnabas Muthu



R10 Best Student Branch – St. Xavier’s Catholic



IEEE Day – 2012 – Genios Team from Jeppiaar



St. Xavier’s Catholic — Topper in the Student Branch Activities



IEEE CS – Topper in Society Chapter Activities



Velammal Engg – Second Largest Student Branch



Announcement of new Execom by the Nominations Committee



Section of Audience



Section of Audience

Congratulations



2013 Young Alumni Distinguished Achievement Award Tufts University

“ S a m p a t h k u m a r Veeraraghavan, EG10, is an outstanding young engineer developing technological solutions based on large scale computing systems to address global issues in the areas of education, healthcare, disabilities and welfare programs for women and students below poverty lines in India.”

Congratulations



IEEE Computer Society Golden Core Member

Presented to
H.R. Mohan

As one of the distinguished core of dedicated volunteer and staff whose leadership and service have made the IEEE Computer Society the world’s preminent association of computing professionals.

Section Membership as on 1st February 2013

Life Fellow	-	3
Fellow	-	2
Life Senior	-	10
Senior Member	-	109
Life Member	-	4
Member	-	2442
Associate	-	270
Affiliate	-	23
Graduate Student Member	-	1120
Student Member	-	8641
Total	-	12624

IEEE Madras Section Execom Officer Bearers - 2013



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**For the detailed Annual Report
and the AGM photo gallery,
pl. visit the Section website.**

IEEE Madras Section Execom Members - 2013



Sitting (L-R) : Dr. S. Arumugam (Vice Chair), Dr. T. Thyagarajan (Past Chair), Mr. T.S. Rangarajan (Chair), Mr. H.R. Mohan (Vice Chair), Dr. N. Kumarappan (Treasurer)

Standing (L-R) : Execom Members: Dr. S. Hemamalini, Mr. Muthumanickam, Mr. A. Darwin Jose Raju, Dr. Kabilan, Major V.V. Chandrasekharan (Secretary), Dr. M.A. Atmanand, and Dr. Micheal

Editorial Team

Mr. H.R. Mohan, Mr. T.S. Rangarajan,
Dr. T. Thyagarajan, Dr. P. Suresh Chander Pal,
Major. V.V. Chandrasekaran, Dr. Krishna V. Prasad

Visit our Website

www.ewh.ieee.org/r10/madras

Posted on: 25th February 2013
Posted at: Egmore RMS (Patrika)

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