Hello! As you read the September Newsletter you will for sure agree with me that our Newsletter goes from strength to strength, reflecting the dynamic growth of our activities in Asia-Pacific and the tenacity of the Editor, Zia Ahmed. For the first time ever we have a R10 History Supplement due to the fact that our Region is celebrating its 40th birthday this year. A summary of forty years of IEEE activities in the Asia & Pacific written by Zia and inputs from eight Past Directors of Region 10 are not to be missed. This is really an outstanding History Supplement and will serve as a reference in years to come.

You can also read (and see) what has been happening in various parts of our Region during the last three months in this issue. I would like to congratulate South Australian Section for winning the IEEE 2007 Outstanding Small Section Award, Nitin Shah from Kerala Section for receiving the R10 Larry K. Wilson Award, the Shri Sant Gajanan Maharaj College of Engineering Student Branch, Maharashtra, for winning the R10 Membership Growth Award, and also winners of R10 Student Paper Contest from Hong Kong, Singapore and Gujarat Sections (see page 2).

All Students from our Region will be interested in The IEEE Presidents’ Change the World Competition on page 3! What a great competition, exactly in the spirit of our organisation: to solve a real-world problem for the benefit of humanity or community, and great prizes too (US$10,000, 5,000, 2,500). This Competition is being held in conjunction with IEEE’s 125th Anniversary and entries can be submitted from May to February 2009. I encourage you to pass this information to IEEE Student members in your Section. Wouldn’t it be great if a student from your University wins this wonderful competition and attends the 2009 Honours Ceremony in Los Angeles CA, USA!

The IEEE’s 125th anniversary in 2009 is just a few months away. I would like to encourage you all to start planning your anniversary activities now! An IEEE anniversary website has been launched on 1 September at ieee125.org and houses an anniversary calendar in which IEEE groups are encouraged to list their events. It also will enable members, volunteers and others to upload and view anniversary messages, videos and photos; access a webcast of the media roundtable (scheduled for March); and submit competition entries, among other activities.

The 2008 Section Congress is just around the corner, starting on the 18th September in Quebec City, Canada. Our Region will be represented there by 56 Section Chairs, 6 Council Chairs, 9 Subsection Chairs, R10 Executive Committee members and 5 GOLD members. All Regions will hold second meetings and Caucuses (to select five most important issues for discussion at the Congress). D. Mathur from Gujarat Section collected suggestions from our members, which include various proposals of increasing IEEE membership benefits and simplifying payments of membership fees, among others.

I would like to remind you once again about the 2008 IEEE Election. I hope that by now most of us already voted. If you did not, please vote today at https://www.directvote.net/ieee/ or by mail. Your vote is important!

Kind regards

Janina Mazierska
R10 STUDENT PAPER CONTEST RESULTS 2008

Congratulations to all the winners and a big thank you to all the participants, Section SAC Chairs and the Reviewers.

Prizes Funded by the IEEE Life Members' Committee
First Place US$800 plus certificate
Second Place US$500 plus certificate
Third Place US$200 plus certificate

Region 10 SAC committee will fund the travel of the first prize winner of Postgraduate Paper Contest to travel to TENCON 2008 to be held at Hyderabad India in Nov 2008.

R10 PG Paper Contest 2008 Results

First Prize: Leung Chiu (Hong Kong) for the paper entitled “Performance enhancement of microwave circuitries using parallel strip line”

Second Prize: Zhang Yaqiong (Singapore) for the paper entitled “The design and analysis of the band rejected cross semi circle monopole antenna for UWB applications”

Third Prize (two winners)
(1) She Hao Yuan (Singapore) for the paper entitled “Resonance of Cylindrical structures with high relative permittivities - Enhancement of the field and applications in Optical waveguide”
(2) Mable P Fok (Hong Kong) for the paper entitled “Tunable optical delay using four wave mixing in a 35 cm highly non linear bismuth oxide fiber and group velocity dispersion”

R10 UG Paper Contest 2008 Results

First Prize (two winners)
(1) Li Bingui Joel (Singapore) for the paper entitled “Modelling of decision making process in Power Market with Type 2 Fuzzy logic and Game theory”
(2) Abhishek Singh, Padmini Jaikumar (Gujarat, India) for the paper entitled “A sampling re-sampling based Bayesian learning approach for object tracking”

Second Prize: Charlie S. Zhu Hong Kong for the paper entitled “Content protection in Peer to Peer system”

Third Prize: Koh Jason H.Z. (Singapore) for the paper entitled “A scheduling strategy based on traffic patterns for IEEE 802.16e Wi MAX mobile broadband wireless access”

Mini S. Thomas
R10 SAC

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Larry K. Wilson Award 2008 Announcement

The prestigious Larry K. Wilson Regional Student Activities Award is given to the student who has significantly contributed to IEEE student activities in the Region, Section, Student Branch or Student Branch Chapter. The winner receives an Award Plaque and three years free IEEE membership. The award purpose is to recognize annually, in each Region of the IEEE, the student most responsible for an extraordinary accomplishment associated with IEEE student activities.

This year we had a record 12 nominations and I am happy to announce the R10 Larry K. Wilson Regional Student Activities Awardawardee winner for the year 2008 is Nitin Shah of MES College of Engineering, Kerala Section, for his outstanding contributions to the ongoing LINK project, to the Student Branch, Section, Branch Chapter and Region. CONGRATULATIONS!

A special mention and certificate goes to Timothy Wong of University of Western Australia Student Branch, Western Australia Section for his outstanding contributions to the student branch, website and other competitions.

The other ten nominees had good credentials and contributions to the IEEE cause; I thank all the nominees and nominators for their support and help.

A special word of thanks to the R10 SAC Committee 2008 for the help in judging the contestants for the award.

Congratulations once again!

Mini S. Thomas
R10 SAC

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IEEE South Australia Section Wins the MGA Board Outstanding Small Section Award

The IEEE South Australia Section has been selected by the IEEE Member and Geographic Activities Board (MGA) as a recipient of the MGA Board Outstanding Small Section Award for the activities in the 2007 calendar year. The award recognises that the IEEE SA Section was in 2007 the best small IEEE Section in the world.

The award was approved by the MGA Board during its 21 June 2008 meeting, and will be presented to the Section Chair during the Section Congress in Quebec City, Canada, in September 2008.

This is the second time that South Australia Section has won this award. In 2004 RAB awarded the Best Small Section award to South Australia.

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R10 Membership Development Grant Application Results

Following Section's proposal for the MD grants were received by the Region 10 MD committee and awarded US$500 each
1. Thailand Section
2. Philippines Section
3. Bombay Section
4. Kerala Section

Pingzhi Fan
R10 MD Chair

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Student Branch Operations Guide

Region 10 Students Committee has printed a Branch Operations Guide and distributed to all Student Branches of Region 10. The aim is that the student volunteers should have a ready reference with them for IEEE activities. The guide gives comprehensive information about the operations of a SB, awards, competitions and R10 Activities.

The softcopy of the Branch Operations Guide in PDF format can be downloaded from R10 Student Activities web-page at:

http://www.ewh.ieee.org/reg/10/Student_Activity/Stude nt_Activity_Main.htm
The IEEE Presidents’ Change the World Competition

The IEEE Presidents’ Change the World Competition is a contest designed to recognize students who identify a real-world problem, apply engineering, science, computing and leadership skills to solve it, and, thereby, benefit humanity or their community.

The IEEE Presidents’ Change the World Competition is being held in conjunction with IEEE’s 125th Anniversary celebration.

Eligibility: Participants may compete as an individual or as a team.

Individuals: Individuals who compete must be IEEE Student Members.

Teams: Teams must include an IEEE Student Member in a lead role, but may include non-members. Teammates do not need to be from the same country or region. However, an entry may be submitted to only one Region for judging.

Individuals or team members must be IEEE student members at the time their entry is submitted. The students must play the primary role in the problem-solving; however, they may receive technical and financial assistance from others.

Please note that the intent and spirit of the competition is for the students, not others, to solve a problem. Persons acting as team mentors or in an mentorship role must limit the level of support provided to general guidance and must not contribute in any other form that might be considered original authorship, or in a way that may enable claims of rights or ownership to the submitted entries. In no case will work-on-behalf of teams or individuals be allowed.

Submissions: Entries must be submitted using the form housed on the competition web site at www.ieee125.org/ChangetheWorld

Requirements include the following:

- Project title
- Problem description
- Solution
- Impact on humanity or a community
- Primary leader with name and contact information;
- Other major student contributors and their contributions;
- Other contributors

Incomplete entries are void and will not be eligible to win.

Selection criteria: The winners shall be selected based on the results achieved and their impact on humanity, or, on a community.

Sustainability, reusability, transportability of the results to other parts of the world, entrepreneurship, originality, creativity and leadership shall be important but secondary evaluation factors.

Selection of the winners: Entries will be accepted between 1 September 2008 and 28 Feb 2009 through the competition website, www.ieee125.org/ChangetheWorld, where participants will register and submit their entries.

Contestants are encouraged to register in advance of submitting their entries.

Submissions will be evaluated in IEEE’s ten geographic regions by each IEEE Regional Student Activities Committee. Each committee will select and rank up to five of the best projects in their region by 30 March 2009.

A global competition judging committee (appointed by the 2009 IEEE President) will review the entries selected by the Regional Student Activities Committee and select and rank 15 finalist projects which best meet the competition criteria by 20 April 2009.

These 15 projects will be posted on the competition website and there will be a campaign to encourage participative voting for a People’s Choice prize.

The 2008, 2009 and 2010 IEEE Presidents will evaluate the 15 projects and select the prize winners by 10 May 2009.

Prizes

Leaders of teams or individuals whose entries are chosen for the top three prizes will be invited to receive their prizes* on 18 June at the 2009 Honors Ceremony in Los Angeles CA, USA. Travel expenses will be provided by the IEEE for winners, if individuals, for one representative of each winning team. Travel documents including passports and visas, if required, are the responsibility of the winners.

All remaining prizes will be presented by a local IEEE representative. (IEEE Region Director or a designee such as the IEEE Student Activities Chair, a Section Chair or a Student Branch Counsellor.) Prizes to winning teams will be split equally among the team’s registered student members*.

Winners are encouraged but not required to use the funds for an IEEE related purpose, such as furthering their project or travelling to IEEE conferences.

IEEE Student Humanitarian Supreme US$10,000
IEEE Distinguished Student Humanitarian US$5,000
IEEE Exceptional Student Humanitarian US$2,500
Up to five Outstanding Student Humanitarian prizes of US$1,000
People’s Choice Prize (online vote) US$500

*As permitted by law

Taxes, if any, are the sole responsibility of each prize winner

Funding source: The 2009 President’s discretionary fund
Travel funding provided by (TBD)

Complete rules and conditions are available on the competition website at www.ieee125.org/ChangetheWorld.

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Notice


2) If your Council/Section/Subsection/Chapter/Affinity Group website is not listed under "OU Websites" at http://ewh.ieee.org, then please inform Khanh Luu, Member and Geographic Activities Department IEEE Web Hosting | IEEE E-Notice
IEEE Election 2008 Dates

All eligible voting members should have received a paper ballot and postage paid reply envelope in their ballot package via first class mail. The ballot includes electronic access and return information.

The annual election candidate biography booklet is mailed to members who voted by paper in last year’s election. New members and those elevated to Member or Graduate Student Member grades on or before 30 June 2008, eligible to vote for the first time.

Members who transmitted their ballot electronically, or failed to vote in last year’s election, would not have received the candidate biography booklet in the mail.

The dates for the election process are

1 October - All ballots must be received by the election vendor at 12:00 noon Central Daylight Time USA (17:00 GMT)
13 October - Last day for Tellers Committee to announce vote tally to IEEE Board of Directors

Unofficial results reported

16 November - IEEE Board of Directors acts to accept report of Tellers Committee

IEEE Annual Election results are made official

For more information, contact Carrie Loh, IEEE Corporate Activities, at c.loh@ieee.org

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The IEEE Annual Elections

Let US show that WE matter!

Let us show Our Power!

VOTE TODAY

at https://www.directvote.net/ieee/ or by mail

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Your vote is important to the IEEE and for your Region. Please visit the website www.ieee.org/elections to read about the President-Elect candidates and select one you think is the best.

In order for our motions to receive a better support during the Board of Directors meetings we need to be more visible!

Hence it is VERY important that ALL IEEE members in the Asia Pacific Region VOTE.

Remember that eligible members also include postgraduate students

Voting is easy - You can do it electronically at https://www.directvote.net/ieee/
IEEE Thailand Section

Donation of Used Computers

IEEE Chulalongkorn University Student Branch has donated 29 used computers to Pratandongrung School in Kanchanaburi, about 300 Kilometers from Bangkok. All computers were originally disposed from Kiatnakin Bank. The Student Branch members had to repair them and install new CD-ROM drives. The donated computers are now used to teach students. Partial funding of this project was obtained from IEEE R10 MD grant. About 100 Chulalongkorn students (IEEE and non IEEE members) attended the opening ceremony at the school.

IEEE TA/MGA Visit

IEEE TA/ MGA staff made a 2 days visit to Bangkok on 29 and 30 May 2008. The members of the delegation were

- J. Roberto de Marca (Vice President, IEEE Technical Activities Board)
- Joseph Lillie (Vice President, IEEE Member and Geographic Activities Board)
- Mary Ward-Callan (Managing Director, IEEE Technical Activities)
- Cecelia Jankowski (Managing Director, IEEE Member and Geographic Activities),
- Jeffrey Voas (Distinguished Speaker)
- Janina Mazierska (Director, Region 10)
- Khaled Ben Letaief (Chair, IEEE TA/MGA Visits Program)

The Visit Program

May 29 Morning: A visit to Chulalongkorn University, hosted by Dr. Proadpran Punyapukana, Associate Dean of Engineering. Two seminars were given. The first one was by Jeffrey Voas on “Service-Oriented Architectures (SOA) and the "ilities": Design in, Build in, or Glue on ?” and a DLP talk by Khaled B. Letaief on “Ubiquitous Communications, The Next Wireless Frontier”. The IEEE delegate also had a chance to see the student activities including the world class robot soccer team.

At Chulalongkorn University hosted by Dr. Proadpran Punyapukana

May 29 Afternoon: A visit to Engineering Institute of Thailand, the largest local engineering society. A draft of MOU between the two organizations was discussed.

Meeting with Engineering Institute of Thailand Executive Committee

May 30 Morning: A visit to the National Telecommunication Commission where Dr. Khaled B. Letaief gave his DLP talk on “Ubiquitous Communications, The Next Wireless Frontier”.

May 30 Afternoon: A visit to TRUE Corporation, one of the leading mobile phone company.

PES Seminar on FACTS and HVDC

On June 25, 2008 IEEE PES Chapter organized a full day technical seminar on “FACTS And HVDC: Trends, Basics, Solutions and Applications” at Chulalongkorn University with more than 100 audiences. The speaker was Mr. Wilfried
Breuer, Vice President Power Transmission Solutions, Sector Energy, Division Transmission, Siemens AG. The detail topics are Introduction and Global Trends on Power Markets.

Mr. Naris Srinual, IEEE Thailand Section Chair, gave the opening speech.

Mr. Wilfried Breuer from Siemens AG gave the one day seminar

Assoc. Prof. Ekachai Leelarasmee
Deputy Director of International School of Engineering Chulalongkorn University

IEEE Singapore Section
REL/CPMT/ED Chapter Activities

Our main activity was the 2008 IEEE 15th International Symposium on the Physical And Failure Analysis of Integrated Circuits (IPFA 2008) from 7 – 11 July. The week began with six half-day tutorials on reliability and failure analysis spread over two days. The symposium itself began on the Wednesday with two high profile keynote papers. In the first, Professor Dimitri Antoniadis from MIT looked into the future of high performance CMOS while in the second, Dr. Raj Master, from AMD explained the challenges of packaging and cooling advanced digital devices such as microprocessors. During the symposium over 50 papers were presented orally together with almost 18 poster presentations. There were 7 invited papers and the best papers from ISTFA and ESREF were presented. An equipment exhibition with 37 exhibitors was held in parallel with the symposium and this year IPFA was generously supported by three industry sponsors, FEI Company, Phoenix X-Ray and Raith. For the first time IPFA organised a competition, the Art of Failure Analysis, in which FA practitioners submitted artistic, unusual and imaginative pictures with some equally imaginative titles.

Two best papers, one in failure analysis and one in reliability, were selected for presentation at ISTFA (USA) and ESREF (Europe) conferences respectively. This year they were both won by authors from Singapore. For Failure Analysis the winning paper was “Effect of refractive solid immersion lens parameters on the enhancement of laser induced fault localization techniques” by S H Goh et al from National University of Singapore SEMICAPS and while the best paper in reliability was “Effect of Pulsed Current on Electromigration Lifetime” by M.K. Lim et al from Nanyang Technological University and Chartered Semiconductor Manufacturing, Singapore.

Apart from IPFA, July has been a busy month with one seminar, one DL talk and one technical talk. Eight talks focusing on the front-end reliability research from NTU and IIT. Were presented in a half day seminar on “Reliability Study of Logic and Flash Memory Devices” held at Nanyang Technological University (NTU) on 14 July. This was co-organized by NTU, the Indian Institute of Technology, Bombay (IIT) and Singapore Rel/CPMT/ED Chapter.

On 24 July, Professor Souvik Mahapatra from IIT Bombay, India gave a DL talk on Nonvolatile Flash Memory and on 30 July 2008 Dr Frank L. Wei from Philips Lumileds Lighting Co. gave a presentation on Observations of Electromigration-Induced Extrusion Failures in Cu/low-k Interconnects” Planning is well underway for Chapter’s other flagship conference EPTC 2008 which will be held in Singapore from 9 to 12 December 2008. 352 abstracts were received in response to the call for papers, a record for EPTC. There will be keynotes Speeches by Dr. G.Q. (Kouchi) Zhang, from NXP, Prof. Michael Pecht from University of Maryland and Prof. CP Wong from Georgia Tech. This will be the 10th Anniversary of EPTC so there will be special celebrations, social events and networking activities. Registration is now open and full details of EPTC can be found at the website: http://www.eptc-ieee.net

D Mahinda Vilathgamuwa, Associate Professor
School of EEE, NTU
IEEE Malaysia Section

SOFT SKILL WORKSHOP ON: Greatness through Level 5 Leadership Principles

Professor Jim Collins, wrote in his Good to Great book that great organizations have great leaders, leading them towards greatness. Studying more than 1435 good companies worldwide for 5 years, examining their performance over 40 years, he reported that companies classified as “good-to-great company” outpaced the rest of the industry by exceeding the stock market by at least 3 times over 15 years! One of the distinctive factors his team discovered was, these great companies had Level 5 leadership during the pivotal transition years.

On the 5th July 2008, IEEE Malaysia Section with assistance from its Circuits and System Society (CAS) and Power Engineering Society (PES) volunteers successfully organized a Soft Skill Workshop entitled ‘Greatness through Level 5 Leadership Principles’. Level 5 leadership principles refer to a five-level hierarchy of executive capabilities, with Level 5 at the top. Level 5 leaders embody a paradoxical mix of personal humility and professional will. They are ambitious, to be sure, but ambitious first and foremost for the company, not themselves. Level 5 leaders display a compelling modesty, are self-effacing and understated. In contrast, two thirds of the comparison companies had leaders with gargantuan personal egos that contributed to the demise or continued mediocrity of the company. Level 5 leaders set up their successors for even greater success in the next generation, whereas egocentric Level 4 leaders often set up their successors to failure.

The event which took place at the Faculty of Engineering, Universiti Putra Malaysia was conducted by Mr Rohn Rajan, a Managing Director of RRC Worldwide. The workshop was attended by 32 IEEE volunteers from the Section’s executive committee, Chapters’ representatives as well as industries such as Freescale Semiconductor, Intel Corporation, Sunway Construction and Reinhausen AP.

The one day programme was tightly packed with informative and discussions sessions. The fee for the event was kept at a moderate level. At the end of the workshop all attendees received a Certificate of Participation besides a really joyful workshop.

Dr. M. H. Marhaban
Newsletter Editor, Malaysia Section

Please send your news items and articles to R10 Newsletter Editor by email:

r10-ecn@ieee.org

Please send photographs in JPEG format in separate files.
IEEE Taipei Section

2008 EM Education Initiative - Summer Program
The first “2008 EM Education Initiative - Summer Program” seminar was held on 28 July to 1 August 2008 in Barry Lam Hall 101 of National Taiwan University (NTU). It received encouraging responses and the outcomes are fruitful. Although the first day was affected by a typhoon, the seminar still got attendees’ great support. The number of the attendees reached to 184 people, and remarkably, the rate of full attendance was 76.6%, to 141 people, setting the best example of “Nothing Can Quench One’s Thirst for Knowledge.”

The seminar was originated from the IEEE Chapter Chairs meeting on 5 July 2007 held by Section Chair Ruey-Beei Wu, and the follow-up MTT/AP/EMC/GRS Joint Chapters meeting on 21 October 2007 initiated by EMC Chapter Chair Song-Tsuen Peng. Mandated to uplift the research momentum in electromagnetic (EM) field and to attract young talents to do R&D, the joint meeting received enthusiastic participation and constructive comments from the Chapter Chairs and members in EM field in Taiwan. One of its resolutions was to kick off a seminar for the new graduate students to review the primary knowledge and grasp the research trends on EM theory and applications in the summer before they enroll the graduate schools.

With strong financial support from MTT Chapter chaired by Fu-Tsan Tsai, the seminar was held by NTU Communication Research Center, thereby fully utilizing NTU’s influence to gather venerable professors as speakers and to set up good holding patterns. The Center Director Huei Wang set up the table and organized the seminar agenda including 1 review and 10 tutorials. The invited speakers are among the best and the brightest, and therefore attracted many graduate students nationwide to participate in the seminar. The number of attendees was impressive and as many as 24 graduate schools have joined the efforts.

Highly involved in the program setup, the Taipei Section also sponsored the propagation and member recruiting activities with the NTU student chapter at the seminar place. 23 seminar attendees were recruited in the seminar, while more got acquainted with the chapter services, the importance of IEEE publications in R&D, and member super value offers. Some difficulties in recruiting new members were also experienced and improvements should be made to facilitate the website applications.

In summary, this seminar has reached many benchmark missions. For the first time, top people and resource in EM were gathered, a complete introduction to EM theory and applications was made in 30 hours within a week, and an omni-bearing concept was introduced to graduate students. It was also the first cooperation opportunity for MTT, AP, EMC, and GRS Chapters in Taiwan. All participants, including seminar organizers, speakers, and attendees, applauded the great success. They not only expected more outstanding outcome of the seminar next year, but also longed for the prosperity of EM field in Taiwan to take the center stage.

2008 National Conference on System Science and Engineering
In 2008 National Conference on System Science and Engineering, 236 papers were presented. During the two conference days, researchers from universities, research organizations, and industrial area proposed many novel ideas with their paper presentation. Moreover, the research directions were fully discussed for the coming important system technologies, such as robot systems, multimedia communication systems. The improvements of the system sciences and engineering would upgrade the characteristics and competition capability of the industrial projects in Taiwan. With this conference, people shared their experiences and research results with each other and made further cooperation possible. Further, four keynote speeches by the area experts (Dr. Philip Chen (IEEE Fellow), Dr. Weng-Tat Chan, Dr. Timothy L. J. Ferris, and Prof. C.Y. Lin made the conference more successful.

Workshop on “Power Semiconductor Devices and Design Criteria”
Dr. Leo Lorenz (Infineon Technology, China), an IEEE Distinguished Lecturer and an IEEE Fellow, was invited by Profs. Chih-Fang Huang and Po-Tai Cheng of the Center for Advanced Power Technologies (CAPT), National Tsing Hua University (NTHU), Taiwan to hold a workshop entitled “Power Semiconductor Devices and Design Criteria” during July 7-15, 2008 in Hsinchu, Taiwan. This workshop drew nearly 30 participants from the nearby Hsinchu Science Industry Park, a semiconductor industry power house of Taiwan. The other 30 participants were graduate students in the field of power electronics or semiconductor devices. This 24-hour workshop covers fundamental semiconductor physics, operating principles of main power devices such as power diodes, MOSFETs, and IGBTs, limiting factors, driving and

From left to right in the first row, MTT Chair Fu-Tsan Tsai (3rd), EMC Chair Song-Tsuen Peng (4th), AP Chair Dau-Chyhr Chang (5th), Taipei Section Chairman Ruey-Beei Wu (6th), and in the second row, GRS Chair Kun-Shan Chen (1st)
protection of power devices. This workshop offered a unique opportunity for industry/academic of power electronics and power semiconductor devices to share experiences, and opened the channel for future cooperations.

At the end of the workshop, Prof. Chen-Hsin Lien, chairperson of the Department of Electrical Engineering, NTHU, presented a plaque reading “Presented to Dr. Leo Lorenz for the inspiring lectures and persistent dedications” (“啟迪新智” in Chinese) for appreciation.

This event was partly sponsored by IEEE Taipei section as a part of its series summer workshop programs. PELS/IES joint chapter, EDS chapter, and Taiwan Power Electronics Association co-organized this workshop with CAPT-NTHU.

demonstrations were made by ITRI during the visits. Prof. Shieh and Dr. Keene also met with the IEEE Taipei Section Chairman Ruey-Beei Wu. The strong presence and commitment to the IEEE in Taiwan was recognized by Dr. Keene.

While visiting NCTU, Dr. Keene gave a talk entitled “Six Sigma Contributions to Developing Better Products” on assuring reliability and trust in new products.

IEEE delegates visited NCTU. From left to right: Associate Dean of International Affair, Vice President Chen of NCTU, Vice President Keene of IEEE RS, President Kuo of City University of Hong Kong, and RS Taipei/Tainan Chair Shieh

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IEEE-IAS Distinguished Lectures by Prof Ajit K Chattopadhyay under Regional Speaker Program

From 2 to 23 March 2008 Prof Ajit K Chattopadhyay, Fellow IEEE and Professor Emeritus, Electrical Engineering Department, Bengal Engineering & Science University, Shibpur Howrah India, delivered a series of invited lectures as an IEEE-IAS Distinguished Lecturer under the Regional Speaker program in Peru, Chile and Brazil. The lectures were organized by the IEEE-IAS Chapters/Sections in these countries. Professor Chattopadhyay delivered lectures at:

- Universidad Nacional de Ingenieria (UNI), Lima, Peru
- Pontificia Universidad Catolica De Chile (PUC), Santiago, Chile
- Universidad Tecnica Federico Santa Maria (UTFSM), Valparaiso, Chile
- Institute of Energy & Electro-Technology (IEE), University of Sao Paulo, Brazil
- The Department of Electrical Engineering, University of Sao Paulo, Brazil
- Dept.of Elec Engg, Federal University of Rio de Janeiro (UFRJ), Rio de Janeiro

The topics of his lectures were:

- High Power High Performance Industrial AC Drives
- Power Electronics — A Comprehensive Review
- Power Electronics Research at a University in India
- High Power High Performance Industrial AC Drives – A Review

The lectures were attended by a good number of participants, which included students and teachers of the universities and engineers from the industry, and lively discussions were held.
On 11 & 12 March 2008 Prof. Chattopadhyay attended a two-day Workshop on “Current Applications and Challenges in Power Electronics” at the Department of Electronics, UTFSM, Valparaiso Chile sponsored by Nucleus Millennium Industrial Electronics (NEIM, Chile), UTFSM, Fondef, ICM and IEEE-IAS, Chile. He delivered a talk on High Power Drives and took part in the discussions as a Panelist. About 30 participants attended the Workshop. Other speakers and panelists included in the Workshop were Dr Mutschler and Dr H J Pfisterer from Germany. During his visit to laboratories of the Dept of Electronics at UTFSM, Prof. Chattopadhyay saw the projects in the area of Multilevel Converters, MatrixConverters and Cycloconverter-fed drives under the guidance of Prof J Pontt, Director NEIM, Chile. Prof Chattopadhyay also had a discussion with Prof Pontt regarding an Agreement for possible collaborative work between researchers of Chile and India in the area of Power Electronics.

IEEE Kerala Section

This year is of great importance to IEEE Kerala Section as we are celebrating the 25th anniversary of its formation. Kerala Section is celebrating the Silver Jubilee in a grand fashion with lots of programs from 10th to 16th November. The students program will be on 14th and 15th November. In 25 year of working we have owned many credits. Kerala Section has a large number of active volunteers of IEEE. Some of the most active Student Branches in Region 10 are in Kerala Section. The first WIE affinity group in the Region 10 was formed at College of Engineering, Chengannur in Kerala. Students from the Section have won Larry K. Wilson award twice.

Local Integrated Network of IEEE students of Kerala (LINK) is a conjunctive body ensembling all the Student Branches in Kerala Section. LINK was formed in 2004 and is the control centre for student activities in Kerala Section since then. The success of LINK laid the foundation for R10 GINI which works for ensembling many Sections in Region 10. Region 10 has granted Kerala Section Mentor Section status in the R10 GINI project. Every year LINK organises and co-ordinate activities for the Student Branches in Kerala. The Section student activities chair Mr. S. Gopakumar has been instrumental in integrating the Student Branches. Student activities of Kerala Section for the year 2008 began with an address and an interactive session with Mrs Janina Mazierska, the R10 Director on 21 January. The largest number of students appeared for Region 10 Student Congress at Chennai was from Kerala. 69 students from 23 Student Branches was the largest participation from a single Section in any R10 Student Congress to date. Rajagiri School of Science and Technology SB of Kerala Section won the best stall award during the Congress. LINK conducted the first face to face meeting at St. Joseph’s College of Engineering and Technology, Palai on 8th March. 97 students from 21 Student Branches turned up for the meeting. The Branch Counsellors Congress was conducted at Rajagiri School of Science and Technology, Kochi on 17th May. The Branch Counsellors Congress was the beginning program of the Silver Jubilee Celebration of the Kerala Section. Region 10 SAC Mrs. Mini S. Thomas presence in the Congress made it highly valuable.

This year onwards LINK has decided to conduct an online programming competition named LOC. This year the competition was conducted on 2nd August. 32 teams participated in the competition. Rajagiri School of Science and Technology won the complementary award in the Region 10 website contest. Nithin Sha of MES College of Engineering, Kuttipuram won the Larry K. Wilson Award of this year.

An extensive NDLP (National Distinguished Lecturer Programme) was held on 24th May at Mohandas College of Engineering, Nedumangadu. The well represented event had tech talks on the prescience of FOSS (Free & Open Source Software). The second NDLP program was conducted at TKM Institute of Technology, Kollam on 24th July. The lecturer was taken by Kerala Section Chairman Mr. Amarnath Raja on Networking using Linux.

LINK will conduct the All Kerala Student Congress(AKSC) on 30th and 31st August at NIT, Calicut. The Silver Jubilee Celebration of LINK will be conducted in October at MES College of Engineering, Kuttipuram.

Shaun Thomas, Student Representative and LINK Secretary IEEE Kerala Section
IEEE Fostering technological innovation and excellence for the benefit of humanity

IEEE MP sub-Section, India
IEEE workshop on Open Source Software and Applications

“The software development is still a hot process in the enterprises. There has to be an economic solution for the future application developments. The open source software should be the first choice to develop the solution of complex applications of industries, business and other application areas.” These thoughts were shared by Dr Yatindra Nath Singh of IIT Kanpur at IIPS-DAVV during the IEEE workshop on Open Source Software and Applications. He delivered a couple of lectures in the morning session of the workshop. The workshop was organized by IEEE MP Subsection and was hosted by IET-DAVV and Acropolis Institute of Technology and Research. The workshop was attended by more than 100 participants that included the teachers and students of the engineering and professional colleges as well as industry practitioners. The participants also came from the defense department at Mhow. In the afternoon session, Dr Yatindra Nath Singh demonstrated the capacities of an open source platform Brihaspati2: The virtual classroom. He showed that the platform can be very useful in developing the software applications easily in local languages and the foreign languages other than English and roman script.

The workshop started with Saraswati Pooja and Lightning of the lamp by dignitaries. The workshop was inaugurated by The Guest of Honor Prof P Nagabhushan of University of Mysore, who spoke the words of wisdom with an instantaneous analogy of open source with the open mind of the teachers who are the source of inspiration to the students of the era where they have to compete in the global competition. He specifically mentioned that let us not forget the original source of inspiration. The light candle lit by the origin should continue to light the lamps in sequence so as to make the path of learning bright. Mr. Ashish Sajotia, chairman AITR and Dr. B.K Tripathi, Director IIPS-DAVV were present as the special guests. The IEEE Subsection Chair Dr. M. Chandwani gave welcome speech and narrated the objective of workshop. He also informed the audience about IEEE that is a professional body of engineers in the USA. Prof. Durgesh Mishra gave the vVote of thanks.

Guest of honour Dr. P. Nagabhushan, Professor of Computer Engineering, Maysur University, Dr. Durgesh Mishra, Dr. B. K. Tripathi, Shri Ashish Sojatia and Dr. M. Chandwani

Dr. Durgesh Mishra
Secretary, MP Subsection, India

IEEE Hyderabad Section

Section Student Congress, 2008

The IEEE Hyderabad Section organized its annual event, Section Student Congress (SSC 2008), during August 9 - 10, 2008 at IETE auditorium, Osmania University campus, Hyderabad, India. The All-India IEEE-AES Student Project Contest, which is third year in running, and GINI Face to Face were also held as part of the Congress. Dr. M. Lakshminarayana, Secretary, IEEE Hyderabad Section compered the proceedings and welcomed the gathering. Dr. R. Srilhari Rao, Director, DLRL-Hyderabad was the Chief Guest who also inaugurated the event. Dr. V. Prasad Kodali, Life Fellow, IEEE and Program Chair, IEEE AES student project contest briefed the participants about the contest.

Two hundred and thirteen student members participated in the congress from 18 Student Branches across the state of Andhra Pradesh, covered by the Section. Also about 25 GINI volunteers from various Pilot Sections in India attended the GINI MEET. Dr. M. B. Srinivas. Chair, IEEE Hyderabad Section briefed the volunteers about the GINI activities undertaken by the Section since its inception. He also addressed the student gathering during inauguration and briefed them about the activities during SILVER JUBILEE YEAR 2008-09 of the Section.

All India Student Project Contest is a major event organized by IEEE Hyderabad Section every year since 2005-06; This year the committee received ten entries from across the country out of which a panel of judges shortlisted four for final presentation. The first prize was bagged by the students of Vignana Bharathi Institute Of Technology, Hyderabad for their project entitled ‘Vehicle Positioning & Navigation System Using GPS and GSM’.

There were several lectures and brain storming sessions as part of the two-day congress. Sri. A. Gopakumar, NDLP Co-Ordinator, Trivandrum section briefed the audience about NDLP. Mr. Padma Prabodh Ambale from Oracle Corporation...
delivered a talk on Career Building & Soft Skills while Sri R. Chandra Sekhar, organized a Robotics workshop on the second day of the congress. Sri Suresh Chandra Pal, SAC, IEEE Chennai Section also took an active part in the congress.

GINI face to face meet was a success and the volunteers promised to work harder to make their own Pilot Section more vibrant.

The First R10 GINI Face to Face meeting at Hyderabad on 16-17th August 2008

Sri. Srinivasa R Nookala, SAC-IEEE Hyderabad Section organized Branch Counselors’ Congress followed by Student Branch presentations by the respective chairs. The congress ended with a valedictory session where mementos were distributed to all volunteers by the SAC.

Report received via R10 SAC

Region 10 GOLD Affinity Groups News

GOLD South Australia Section

GOLD Activities 2008

GOLD had a very good start this year and have already conducted seven meetings.

On 25 January Prof Bill Moran, from Melbourne University, presented a talk on: Information Geometry and Entropy. On 6 February Dr Mark Moorelande, from Melbourne University, presented a talk on: Scheduling of Passive Sensors for Target Tracking. On 7 February Dr Peter de Maagt, from European Space Agency presented a talk on: Electromagnetic Bandgap Materials. On 12 March 2008 Vijay Prasad Sivan and Arnan Mitchell, from RMIT, presented a talk on: Photonics: Novel, High Resolution Etching of LiNbO3. On 29 April, Prof Keith Kikkert from the James Cook University, presented a talk on: Designing RF and Microwave Filters. All talks were covering very interesting topics and have attracted very good crowds of more that 30 people each.

Recently, GOLD have made contact with Uni SA Student Branch and conducted a couple of joint activities to show the students benefits of being IEEE member. These included a site visit and a talk by Bobby Yau, GOLD Vice Chair, about the employment opportunities. Both events attracted a great crowd of mainly post graduate students.

This year, GOLD is planning to conduct two additional meetings to develop membership and engage young people in GOLD activities. These meetings will be focused on the career development for young IEEE members and are connected with pizza lunch, which enables members to have informal chat with the speaker.

Dr Andrew Piotrowski
GOLD Chair, South Australia Section

Region 10 WIE Affinity Groups News

Madras IEEE Women In Engineering

Project SANGAMAM

WOMEN AND ECO DEVELOPMENT PROGRAMME

Our first and foremost responsibility towards the future generations is to save Mother Earth from destruction and leave her intact for their usage and living. But with the advent of technology, today's lifestyle has led to an alarming encroachment on natural resources. But the villages still preserve their natural environment, and an unspoilt society. If industrialization is extended towards these villages, this will be heavily threatened. At the same time, the village people need new technologies to make use of these resources. With this in mind, "Madras IEEE Women In Engineering" has undertaken a project called "Sangamam". This project will focus on technology transfer to rural areas, keeping in mind, the environment at large.

The rural women, in their leisure time, can learn new methods to preserve these resources and also can derive more from them. For example if they have a small garden at the backyard, this will take care of their daily needs. They can always preserve the extra vegetables for future use, by drying them. This will lead to quality use of their leisure time and also give them an opportunity in entrepreneurship, enhancing their lifestyle.

The first phase of the project was launched in Irandam Kattalai village near Chennai in Tamil Nadu. This is a very small village with a population of 350 with an equal division of men and women. A detailed survey on the lifestyle of the people was conducted by the Affinity Group in June 2008. The survey was conducted by a committee appointed by Madras IEEE WIE, consisting of the office bearers and students from Easwari IEEE student branch and a member of Yuvashakthi, the social awareness group selected for this project, on family structure, the employment opportunities for the men and women, the census on the educated and uneducated youth, their pastime activities, family income, available facilities, initiatives taken by the people to improve their lifestyle and willingness to learn new methods. This was followed by a thorough analysis of the acquired facts. The village, though has many resources, does not boast permanently employed youth or male members. They work in a nearby glass factory for intermittent contract periods which reflects heavily on their family budget. So it was decided to teach the use of alternate energy sources to them so as to reduce their fuel and energy consumption. Finally the committee decided on the goals of encouraging women entrepreneurship and abolishing child labour, for this village.

As the first step towards realizing this goal, the affinity group organized an awareness program, in association with Easwari IEEE WIE and Yuvashakti, on the need for self sufficiency of the village on 27July 08 at the village itself. The focal theme for this programme was taken to be “Women and
Ecodevelopment’. The function began at 2.00 p.m. with an invocation by P.Dharani and P.Jenita of Easwari IEEE Women in Engineering. K.Deenadayalan of Easwari IEEE welcomed the gathering. The audience was enlightened about the activities of IEEE WIE, the outreach programmes it has conducted and also the objective of the present programme, by Mrs.Ramalatha Marimuthu, Chair, Madras IEEE WIE and R10 WIE Coordinator. She explained to the gathering, the village men, women and youth about the benefits of preserving nature and how villages are important to a Country’s economy. She thanked the village peers, youth and women who extended a warm and enthusiastic response during the course of survey and requested for the same enthusiasm for the present programme.

The Chief Guest of the day, Dr.Radha Murali, an eminent ecologist, was introduced to the gathering. She gave an inspirational speech which dealt with means of improving the self sufficiency of the villagers by efficiently utilizing the available resources. She also explained about the different technologies like use of domestic effluent water for plants, growing potted plants, wise use of open space under trees, reviving ethnic knowledge of plants, growing shrubs for thatching material, treatment of thatching material for biodegradation and flame retardation, smokeless chula and smokeless oven for baking, drip irrigation. Extracting the scent of the flowers such as jasmine, shenbagam, etc and using them in perfumes, making soaps for pet animals and preparing stock using green leafy vegetables and usage of medicinal plants, was also taught to women, keeping in mind the necessity for such cottage industries, if the women entrepreneurship has to take off. This will also divert the necessity for earning by the children so that the child labourers can be freed.

To support them to implement the above projects, Madras IEEE WIE had created a seed bank and some necessary plants were also bought. The proper usage was explained fully and a demonstration followed. In addition the seeds were distributed in packets to the individual families for their kitchen gardens and some of the rare plants were given to the head of the Women Self Help Group to maintain in a common garden place designated for this purpose.

This was followed by a demonstration on building and using smokeless chulas. The programme was very interactive and the enthusiasm of the villagers was heartwarming. Selvi Rathi, from Yuvashakti gave a motivating speech targeting the youth in the village. A Youth Club was also inaugurated during the event and the office bearers were made the monitoring officers for the implementation of the technologies taught. Some of the educated youth were appointed as the teachers for the children who labour in the glass factory nearby. During their leisure time, they are to teach basic arithmetic and languages for them so that they can be put in proper schools and thus abolish the child labour in the village. The families assured that they will support this cause.

Sweets were distributed to the people in the village. A feedback was collected by asking some of the inhabitants like the village counselor to give a speech on the merits of the programme. S.Karthik of Easwari IEEE proposed the Vote of Thanks. A follow up programme was planned for the end of September, giving the villagers sufficient time to implement the technologies taught and realize their benefits.

Ramalatha Marimuthu
10 WIE Coordinator

WOMEN STUDENTS CONGRESS
Organised By IEEE Hyderabad Section & Supported By
R 10 Women In Engineering

R10 Women in Engineering is expanding gradually in terms of number of Affinity Groups. Both Student Branch and Section via the innovativeness of their programs have extended their outreach . As one more example of the above fact, A Women Engineering Students Congress was organized in Hyderabad at Jawaharlal Nehru Technological University on 12th and 13th of July 2008, by the Hyderabad Section supported by R10 WIE. During this course of Congress four WIE Student Branch Affinity groups were formed under Hyderabad Section with many more promised to open.
The seed for the Hyderabad WIE was sown in R10 Congress which was held in January 2008, at Chennai. Following her presentation about the Madras WIE activities which won them the Honourable Mention for the WIE Affinity Group of the year award for 2007, Mrs. Ramalatha Marimuthu, Madras Section WIE Chair, was flocked around by many of the students and faculty representing various Sections in R10 with questions about opening WIE. This continued in the R10 meeting held in Gujarat.

As a result the number of WIE Affinity groups in the region has increased at a very fast rate – 20% within one year. In that line Hyderabad stands first with opening of four WIE within a space of one month. Owing to the hard work and endless enthusiasm of Mr. Srinivasa Nookala, Student Activity Chair of Hyderabad Section, WIE was formed under the Section with Dr Madhavi Latha as Chair. The WIE Student Congress was planned from February during the R10 meet and was realized in July. The major objective behind the Congress is twofold:

- To empower and motivate the Women Community, to guide and provide help in entrepreneurship and volunteerism across different technological fields.
- To educate WIE Student in terms of cutting edge technological developments and opportunities.

Seventy women engineering students participated in the two-day Congress. Inauguration function started at 9.30 AM on 12th July. The Chief Guest was Mrs. Ramalatha Marimuthu, R10 WIE Coordinator. The objectives of the congress were narrated by the coordinator, Dr Madhavi Latha. The Vice Chancellor of JNTU Dr.Lal Kishore, Dr.Somasekhar Rao and Dr.M.B.Srinivas, Chair, Hyderabad Section welcomed the gathering and wished the function a good success. After inaugurating the session, Mrs. Ramalatha Marimuthu, in her address appreciated the Hyderabad Section for their efforts and congratulated the office bearers on such a successful congress. She elaborated on the benefits of forming a WIE Affinity Group both under a Section and Student Branch.

After lunch, Smt. Anita Sakuru, CEO, Kenpeople.com, Bangalore had an inspiring and interactive session with the students and participants on Entrepreneurship. This was followed by technical sessions by Sri. M. G. P. L. Narayana, VP, Tata Consultancy Services, Hyderabad, Dr Nayanatara, Principal, KTR Engineering College, and Dr Lakshmi Narayana, Secretary, IEEE Hyderabad Section. After tea break during which more interactions went on, the students were given a screening test on behalf of IBM, Bangalore.

The next day was IBM day and it started with Keynote address by Ms Kalpana Margabandu, Director, IBM India, followed by a technical session on Green Computing –Innovation for Sustainability by Ms Suparna Bhattacharya, Senior Technical Officer, Systems and Technology Group, IBM India. After tea break Ms Uma G.Rao, GM, HR, IBM India and Ms Srilaxmi Kotwal had the participants spellbound with their speech on IBM UR for next generation Technologies and on Trends in Information Management.

After the tea, valedictory was held where the rank holders of the screening test were announced and were given prizes of flash drives of 8 GB, 4 GB and 2 GB capacity. Mr. Nookala thanked everyone before the session came to an end.

**Ramalatha Marimuthu**

**10 WIE Coordinator**
The University of Auckland IEEE Student Branch, New Zealand

Practice Interviews 2008

The 2008 University of Auckland IEEE Student Branch Practice Interviews, held annually since 2002, was once again a great success. This year over 65 students partook in mock interviews conducted by 21 interviewers from some of the leading engineering firms in New Zealand, including Fisher & Paykel Appliances, Beca, Kordia, Vodafone NZ, Vector, SKM and Navico.

As is now customary, the annual Job Skills seminar was held a few days prior to the event, and provided students with helpful advice on their CV and interview skills. The first speaker was Karen Ell from the Auckland University Careers Centre who spoke about job search strategies and résumé preparation skills. Marion Rogers of Tri-Tek Consulting was the primary speaker, and she discussed the current ‘job scene’ for graduating engineers and gave an insight into the qualities that employers look for in graduating engineers. The final presentation was a 10 minute DVD by Sophie Reissner from the Centre for Academic Development, who presented some findings of research she conducted during last year’s event. The audience of over 100 students found what she had to say insightful, interesting very useful.

Better than a lecture on differential equations

With the expert advice from the seminar fresh in their minds, the students were no doubt well prepared for the main event: The Practice Interviews. Each of the participating student members received a half-hour one-on-one interview from two different companies of their choice. Based on feedback from last year, a generic job description was used to give interviewees a guideline for preparation.

Directly after the interviews light evening snacks were provided for all students and interviewers. Small gifts were presented to the interviewers in recognition of their generous support and encouragement of this event.

Overall the feedback on the event was fantastic. Students’ comments included “I am very glad I attended this event. It has helped me approach interviews in a more relaxed way”, “Excellent opportunity”, “Very well organised. Congratulations!” and “the event was well organized, very useful and well worth doing”.

“I will accept nothing less than $100k a year plus benefits”

Student members came away with new found experience, contacts, and even one or two internship offers. Interviewers were given the opportunity to see the potential future stars of their company, and help to raise their profile amongst engineers – very important given the dire global shortage. The Practice Interviews will only improve in years to come and it is no surprise that it is the most anticipated and valuable event of the year.

K. Lazaro, G. Gordon and C. Camasca

IEEE Student Branch, Model Engineering College

Thrikkakara, Kochi, Kerala, India

IEEE Student Branch, Model Engineering College, is one of the largest Student Branches in Kerala with over 100 student members. The Student Branch has been organizing various technical and non technical activities since its inception. Two of the major activities organized during the period January 2008 to June 2008 were

- EXCEL 2K8, Annual South India level Technical Fest.
- Workshop on Verilog® HDL and FPGA Prototyping

EXCEL 2K8

The annual South India level technical fest of Model Engineering College entitled ‘EXCEL 2K8’ was organized by the IEEE Student Branch as a part of the activities for the
IEEE Fostering technological innovation and excellence for the benefit of humanity

academic year 2007-2008. The technical fest was conducted from 31st January to 2nd February, 2008 at the college.

EXCEL 2K8 was inaugurated by Mr. V. Chander, Former Director, NPOL (Naval Physical and Oceanographic Laboratory), Kochi. The inaugural ceremony was followed by a talk on “Interdisciplinary Approach in Signal Processing” by Dr. Chander. It was an interactive session where he dealt with the concepts of Signals, Signal Processing and the common misconceptions on the topic.

On the second day there was an interactive session on “Need for Curriculum Revamp in Higher Education” by the renowned scientist and academician, Prof. Yashpal Sharma. The other talks on this day included “VLSI Design Considerations in Analog Systems” by Anand Valavi, Group Head, Analog and Mixed Signals Group, Wipro Technologies, Bangalore and “Embedded Linux” by Ullas Ponnadi, Senior Consultant, Wipro Technologies, Kochi.

A full day workshop on “Hack-Proof Programming” by Apurv Anand, Product Security Lead, AVERT Security Architecture Group, McAfee Inc, Bangalore, was conducted on the final day. The workshop concentrated on application security assessment using threat modelling techniques and the participants exercised threat modelling a hypothetical application. The workshop also covered fuzz testing techniques.

The major technical contests conducted during the fest were Hardware Virtuoso, a circuit designing event, Wave Cloning, Linux Guru, Web UI Designing, Software Engineering Contest, Paper Presentation, Making Life Easier and Project Presentation. Street-smart was the management event which tested the management skills as well as marketing ability of students. General quiz was conducted by famed quiz masters Ravi Subramaniam and Sumeet Shetty.

Robotics events, ‘Robo Soccer’ and ‘Sumobot’, attracted a large number of participants across the country. A public demonstration of student projects and a Biomedical equipments show were also conducted on all three days.

Workshop on Verilog® HDL and FPGA Prototyping

The IEEE Student Branch of Model Engineering College, Kochi organized a workshop on Verilog® HDL and FPGA Prototyping for undergraduate students as a part of the activities for the academic year 2008-2009. The workshop was conducted at the college by Mr. Cejo K. L., Lecturer, Model Engineering College, from 23rd June to 27th June of 2008.

The first day of workshop had only one session, in which Full Custom ASIC Design Flow and a typical FPGA Flow were discussed. The students got familiarized to the procedure followed in the semiconductor industry for releasing an IC as a product into the market, starting from the initial idea and specifications and going on to the post silicon activities and finally the product release. Every session was 3 hours long and from the second day onwards there were 2 sessions a day.

Verilog® HDL was covered extensively during the second and third days of the workshop in the college Media Hall. On the opening session of the second day of workshop, the various digital design abstraction levels and the importance of Hardware Description Languages were discussed. The students learned the structural and dataflow style of modelling using Verilog® HDL on the second day.

The third day of workshop began with an introduction to switch level modelling. Behavioural modelling was then elucidated to the students. Students also got familiarized to the free and open source EDA tools, GPLCver and IcarusVerilog
for Verilog code compilation and GTKWave for viewing waveforms. At the end of the third day, the students found themselves very comfortable to do RTL coding.

It was time for the students to write Verilog modules for various digital logic circuits and verify the functionality of their designs and ergo, the fourth day saw the students spending two sessions on Verilog coding and simulating it with test benches using the free and open source EDA tools, GLPCver and GTKWave running on Debian 4.0 Etch GNU/Linux in the college computer center.

The opening session of the fifth day began with an introduction to recommended RTL coding styles and logic synthesis. The FPGA architectures of Xilinx Spartan III family were also covered in this session. The students were then introduced to the universal multi-vendor FPGA kit and also to the Xilinx ISE suite of tools for synthesizing, translating, mapping and placing and routing their designs and configuring the FPGA for verifying on hardware.

The students went on to synthesize various Verilog modules and verified the functionality of the design on the Xilinx Spartan II XC3S400 device using the FPGA kit. This session was conducted at the digital communication laboratory. This final day of the workshop saw the students getting very excited on being able to rapidly prototype their designs on hardware.

More than thirty VIIth semester students attended the five day workshop. The feedback from the students about the workshop was excellent and they expressed great interest for such programs in the future.

Nitin J Chittilappilly
Chairperson, IEEE Student Branch Model Engineering College, Kerala Section, India

IEEE Student Branch NUCES (Karachi)
Splendid Show with Procom.net 2008

The IEEE Student Branch at National University of Computer & Emerging Sciences (NUCES), Karachi held this year’s premier event, Procom.net 2008, in collaboration with other student societies at the university’s main campus.

Procom has been almost a decade old event held at FAST-NU (Karachi) and the IEEE Student Branch merged its event, the NETCOM, with it to put up a splendid combined event. Together, it shall now be known as the “All Pakistan Programming, Engineering and Business Competition”.

The event was led by IEEE NUCES (Karachi) Chair, Syed Obaid Nasir. IEEE NUCES (Karachi) General Secretary, Syed Ammar Faheem worked as the Event Administrator. Treasurer, Arsalan Tariq Mir, worked as General Secretary for the event and Vice-Chair, Shoab Feroze participated in the event as the competitions coordinator.

With over 600 participants and 3500+ visitors, the two day event was held on the 1st and 2nd of May, 2008. It was an awe-inspiring event providing a platform for knowledge-sharing, competing and interacting with over 500 guests from the industry. The hosting university, FAST Karachi, won the trophy as the winner of the event with first prizes in seven (7) out of eleven (11) competitions.

The event had competitions ranging from on-the-spot programming, circuit designing, software engineering projects, network designing, business plans, gaming and multimedia.

The University and speakers at the opening and closing ceremonies appreciated the efforts of the IEEE Student Branch and the IEEE for supporting such events which helped students from all over Pakistan to prove their mettle.

Syed Ammar Faheem, IEEE Student Member
FAST-NU (Karachi)
IEEE Student Branch, Dadi Institute of Engineering & Technology

A Visit to the Visually Challenged School

On 27th June 2008 the students of DIET IEEE Student Branch under the guidance of Branch Councillor visited students at the school for visually challenged girls at Rushikonda, Visakhapatnam to donate an amount of Rs.10,000 (Approximately $US 240) for their tuition fees for Music. The money was raised by mentoring junior students in the college.

All of us have one time or another pretended to be blind by putting a blindfold. We probably bumped into things and got confused about which way we were going and finding our way through touching the furniture, walls and other things. This game doesn’t usually last very long; it soon becomes disorienting and frustrating. If few minutes of blindness can frustrate so much, think about those who live their whole life in darkness. They have found ways to learn and engage in work and recreation even though they have trouble in seeing or can’t see at all.

Our team of IEEE students got a wonderful and memorable experience by visiting the Visually Challenged School at Rushikonda. While travelling from our college to the destination there were many questions arising in our technical minds regarding the living of visually challenged people. When we reached there the most astounding thing that hit us was that the principal of that school was also visually challenged. He addressed us so well that all of us were pleasantly surprised. He was very modest, reverent and considerate person.

We were even astounded to listen that the girls were going to present a dance for us. The dance ended with a great round of applause by all of us. Then from a corner few girls stood for a song. The way they sang the song was startling and one girl read the life history of Helen Keller through Braille and when she was unable to identify a particular word she tried hard to recognize it and was able to spell it. This moment enthused each and every one of us leaving our eyes wet.

When the time to leave came nearer we met all the girls very closely and found that they were in no way different to us instead they taught us the right way of living.

Pathipati Srihari, Branch Councillor, DIET IEEE Student Branch Dadi Institute of Engineering and Technology, India

IEEE Student Branch SSGMCE, Bombay Section

Awards for the Student Branch

In June 2008, 'IEEE Region 10 (Asia Pacific) Membership Growth Award 2007’ has been conferred on our IEEE SSGMCE Student Branch, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, India. This is the fourth International award conferred by the IEEE on our Branch.

One Student Branch from each of the ten IEEE Regions gets this award every year. The other two International awards that our Branch has received so far are as follows:

1. IEEE Outstanding Counsellor Award in 2005
2. Best IEEE Student Branch of Asia Pacific Region Award in 2007

Branch Chair Miss Shradha Drolia attended IEEE Region 10 Students Congress in Beijing, China in 2006

This is an honour for IEEE India Council and IEEE Bombay Section.

Congratulations to our College Management for regularly awarding concession in IEEE student membership fees and to our IEEE Branch Membership Committees of present and past years.

Our membership strength in 2006 was 264 and in 2007 it was 302.

We also have IEEE Communications Society Chapter and IEEE Women in Engineering Affinity Group.

As usual we have lined up excellent array of activities like talks, workshops, aptitude tests and short term technical courses for July - October 2008 semester.

Prof. U. A. Rane
Staff Advisor
Department of Electronics
Shri Sant Gajanan Maharaj College of Engineering
SHEGAON-444203, District: Buldhana, Maharashtra INDIA

R10 Student Branches List
http://www.ieee.org/web/membership/students/branchlists/R10.html
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The IEEE Student Branch of NIT Warangal

Student Branch Activities during Jan-July, 2008

The IEEE-Student Branch of NIT Warangal continued its trend with yet another semester filled with innovative activities and events. After the elections for the new executive body, this year opened up with a tutorial for Robotics enthusiasts delivered by a couple of third year student members. The event focused on introducing the student to basic concepts of robots and encouraging them to build robots of their own. The robotics tutorial received a very warm reception from the student members and was appreciated thoroughly by all. The Branch has purchased robotics equipment exclusively for the members, in order to help them try out various functionalities and test their designs. The Student Branch also maintains an exclusive robotics blog at www.ieercnitw.blogspot.com wherein all the announcements, queries and updates are posted regularly.

IEEE Student Branch then organized its annual National level Paper Presentation Contest popularly known as Vyasa. After careful scrutiny of papers, about 60 quality papers were selected and presented in the domain of Electrical, Electronics and Computer Science Engineering, highlighting the vast and unexploited potential in these areas. The next in chronology was the Region 10 Students Congress at Chennai, organized by SSN College of Engineering, where a team of 6 people from the Executive body represented the Student Branch of NIT Warangal. The 3 day programme in the last week of January proved to be very gratifying for the Branch when it was adjudged as the Winner of ‘Most Vibrant Student Branch Exhibition’ in Region 10. The students interacted with office bearers from various countries and also got the chance to meet the IEEE President Elect 2008, Mr. John Wig during the congress.

Mr. C. Satish accepting the memento from Branch Counsellor Prof. Siva Sarma on Edison Memorial

The Student Branch stepped up its quantum by establishing a WIE (Women in Engineering) Student Affinity Group in the month of July to encourage the activities related to role of women in engineering and technical development. Meanwhile, small popular events like Spectrum Discussions, Glider Design contest, shooting of a Branch promotional video kept the momentum of Branch activities with full cooperation from the student members. The formal closure of student activities for the semester came with the Valedictory function. As nostalgia encumbered the former office bearers and the Branch Counsellor, the event ended on an emotional note and every member felt like a part of the close-knit IEEE family. Members from the Student Branch went on to utilize their summer vacations for their technical growth by going to prestigious institutions like IITs, Indian Air Force Labs, reputed companies like CISCO for pursuing their summer projects. The executive has already initiated the SB’s activities for the current semester and have an exciting plan for its members, with an Industrial tour being the next thing in the pipeline. It will also be conducting its official event, Vyasa: The National level Technical Paper Presentation Contest in the month of October for which deadlines will be announced shortly. I wish the branch and its members a continual success.

IEEE SB NITW Executive Committee members with IEEE President Elect, Mr. John Wig in Chennai, 2008

This year, the Student Branch came up with a new idea of Special Interest Groups (SIGs) which aim at relevant and informal technical discussions amongst student members sharing similar technical interests. The technology buffs meet every week on a fixed day and discuss about various aspects of the topic and get acquainted with lots of new concepts. Presently two different SIGs are functional, one based on Artificial Intelligence and the other one based on High Performance Computing.

Another initiative taken this year was the first Edison Memorial Lecture held on 11th of February, which marks the birthday of famous scientist Thomas Alva Edison. To grace the event, various eminent personalities from NIT Warangal as well as IEEE Hyderabad Section, including Chairman, Students Activity Chair and others, came down to NIT campus. Student members from colleges in and around Warangal like Vaag Devi College of Engineering. SR College of Engineering, Jayamukhi College of Engineering showed interest and attended the lecture delivered by Mr. C. Satish, Area Chairman, Industrial Applications Society, IEEE Hyderabad Section. The Edison Memorial Lecture was conceived on the lines of Faraday Memorial Lecture which is organized by IEEE Hyderabad Section every year.

Dhruv Chhabra, Secretary, IEEE SB NITW
IEEE Student Branch of Sree Nidhi Institute of Science & Technology

ADASTRA 08

“ADASTRA 08” a national level Techno-Management symposium was organized by IEEE Student Branch of Sree Nidhi Institute Of Science And Technology, over a period of three days – 14 to 16th of February 2008.

“ADASTRA 08”, as always, was conducted with the novel idea of providing a common platform for information exchange among students from all over the country & also for promoting top class industry-academia synergy.

The fest had various categories of events like Technical events, Business Events, Robotics event and general events. Technical events consisted of paper presentations, poster presentations and project exhibits. Business events consisted of events like B-plan, B-quiz and young manager. The robotics events which were a huge crowd puller had people battling it out in events like All Terrain Bot, Amphi Bot, Robo Sumo Wrestling and Robo Soccer. The general events included events like Dexter’s lab, Daily puzzles, C-programming etc. There were about 1010 registrations for papers from various colleges at national level. The event was attended by about 3500 students from many colleges from all across the country some of which include JNTU (Anathapur and Hyderabad) , BMS college of engineering (Bangalore), Rajalaxmi college of engineering (Chennai), CBIT, Vasavi, MVSR, VJIET, VIT(vellore), IIT – Madras and IIT –Bombay, BITS-Pilani etc.

Encouragement was given to IEEE members by keeping theregistration fees for the events fifty percent less for IEEE members. Prizes money worth around 2.5 lakhs was given for all the events. The fest had something for students of various branches and was made a huge success by the dedication and hard work of the IEEE members of the IEEE Students’ chapter of SNIST who worked day in and day out to ensure that the fest is a grand success. The event started off with inaugural function on the first day of the event. The chief guest for the inaugural was Mr. Srinivas Yelluri, Project Manager, Cognizant technologies, Hyderabad. Inauguration was immediately followed by the Paper Presentation session 1 for all the branches simultaneously. The papers presented were of high quality which included topics ranging from the latest trends to the future technologies. The evaluation was done by an eminent external judge and an internal judge without any bias. The day two and day three went on with the same enthusiasm and The valedictory function started at 4:00 in the evening. The chief guest of valedictory was Mr. Mayank Badoria, MD Arraynz and Dr. P.G.Sasrty, Chairman of Environmental Clearance Committee of Govt of India and Dean (Academics and Administration), SNIST. The valedictory was lively with the distinguished unconventional address of our chief guest with all the participants eagerly waiting for the announcement of the results. Finally the winners of various contests and events were given certificates and cash prize by our chief guest and Principal. All the first prizes for paper presentations in all the branches have been sponsored by IEEE Hyderabad section. The prizes for the quiz were sponsered by CTS and the prizes for the Business events were sponsored by IMS.

Prasanna Venkatesan
IEEE Hyderabad Section Student Activities
Inauguration of the IEEE Student Branch at BRAC University, Bangladesh

The inaugural session of the IEEE (Institute of Electronics and Electrical Engineers) Student Branch at BRAC University was held on 6th of July at the Indoor Games room of BRAC University. The whole session turned out to be more interesting and informative than expected. Members and non-members alike found the event to be educational and yet enjoyable with the range of different topics that came up in the speeches from the distinguished guests.

Following that, the Student Branch was officially inaugurated amidst rounds of applause when Professor Saifur Rahman, Chief Guest of the event, launched the Student Branch website. Prof. Rahman is the Director of the Advanced Research Institute at Virginia Tech and is also the former Vice President of the IEEE Publications Board. The Special Guest on the occasion was Professor Aynal Haque from BUET who is currently the Chair of the IEEE Bangladesh Section. Professor Jamilur Reza Chowdhury, the Vice Chancellor of BRAC University was also present in the event. Professor Sayeed Salam, Chairperson of the Department of Computer Science and Engineering, Professor Mumit Khan, and Associate Professor Dr. Akm Azad from the same department, were also present on the occasion and spoke about the importance of an IEEE membership and expressed their feelings about the new Student Branch at BRACU. Mr. Mahmood Hasan, Registrar of BRACU and faculty members from different departments of the university were also present in the occasion.

Afterwards, Prof. Aynal Haque gave a detailed lecture about IEEE and its background, which was followed by a power point presentation. His lecture had been very informative and the concept of IEEE was made clear to the audience. The next speech was delivered by Prof. Saifur Rahman and with his charming presence and interactive speech, the entire hall literally went into ‘pin drop silence’ mode. His speech was very interesting and informative to say the least. He caught everyone’s attention with his beautiful examples of why students should become members of IEEE and how they will be benefited from it and the important aspects of networking through such a large organization. He mentioned that IEEE is not only for nerds alone, but it also had businessmen, lawyers and even dancers as its members!

Afterwards, the Vice Chancellor’s encouraging speech also added up to the enthusiasm and he promised to provide the branch with financial help whenever it becomes necessary. It is also worth mentioning that without his support from the very beginning, establishing the student branch would not have been possible.

The event started with a warm welcome and a brief presentation by the President of the IEEE Student Branch at BRAC University, Mahdin Mahboob. Towards, the end of his presentation, he showed ‘IEEE Evolution’, a two-minute promotional video of IEEE about the history of engineering, which proved to be a great source of inspiration!

The event concluded with the ‘Vote of Thanks’ by the Secretary of IEEE student branch, BRAC University, Nabila Naushin. She specially thanked the Chief Guest and the Special Guest for making time from their busy schedules and being present at the event and thanked all others who helped establish the student branch. Finally, she called for refreshments and soon after that, a documentary titled ‘Future World’, was shown, thus bringing the event to an end.

The current Executive Body consists of Dr. Azad Akm, Faculty Advisor, Mahdin Mahboob, President, Sunjib Kumar Singha, Vice-President, Annajiat Alim Rasel, Treasurer and Nabila Naushin the Secretary of the branch. All of them, together with the help of a number of volunteers, worked day and night to make this event a total success. The IEEE Student Branch plans to arrange a host of events in the near future including industrial tours and seminars.

Mahdin Mahboob & Sahar Noor Abdal
BRAC University, Bangladesh
Kerala Section Student Branches

Student Branch Activities

Volcano ’08 conducted by Govt. Engineering College, Sreekrishnapuram was the first technical festival conducted by an IEEE Student Branch this year. It had over 122 participants from five Student Branches vying for attractive prizes in contests like Best Manager, Software Debugging, Product Designing, circuit extraction et al. A national conference on broadband technologies, ‘Broadband 08’ on the 28th and 29th of March, was conducted by Mar Baselios College of Engineering, Trivandrum. Kicked off by Mr Kris Gopalakrishnan, (CEO, Infosys Technologies) as the keynote speaker, it had a wide repertoire of events from Technical conferences and presentations by the biggest names in the industry; to exciting events like Robosoccer and IQ Race competitions included in the student events.

Amrita College of Engineering, Kollam, organized a workshop on UltraSPARCT2 on the 30th of March. The workshop that also shed light on RISC microprocessor architecture was conducted by Mr Nassim Hussain of Sun Microsystems and was attended by ten Student Branches.

The IEEE Student Branch of the College of Engineering, Chengannur is organising a national level technical festival called Summit’08 on 18th, 19th and 20th of September.

Professor V. P. Devassia gave a talk on "How to Present a Paper" on 6th August.

Lourdes Matha College of Engineering conducted Intuizione 08 on the 25th of April with events like Paper presentation and Best Manager.

St. Joseph’s College of Engineering & Technology, Palai, organized a talk by Dr. Ashok Rao (IISc Bangalore) on Demystifying wavelengths.

Other innovative events included the Junkyard wars conducted by Vidya Academy of Science and Technology.

Saptarishi, an All-India Students Paper Presentation, was held in National Institute of Technology, Calicut (NITC) on the 9th February, 2008. NITC has also initiated special interest groups in Astronomy, Aeromodelling and Pure Physics.

Shaun Thomas
Student Representative and LINK Secretary
IEEE Kerala Section

The IEEE Annual Elections

Let US show that WE matter!
Let us show Our Power!

VOTE TODAY
at https://www.directvote.net/ieee/ or by mail

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Your vote is important to the IEEE and for your Region. Please visit the website www.ieee.org/elections to read about the President-Elect candidates and select one you think is the best.

In order for our motions to receive a better support during the Board of Directors meetings we need to be more visible!

Hence it is VERY important that ALL IEEE members in the Asia Pacific Region VOTE.

Remember that eligible members also include postgraduate students

Voting is easy - You can do it electronically at https://www.directvote.net/ieee/

Send your news items and articles to R10 Newsletter Editor by email:
r10-ecn@ieee.org

The schedule for the next 2008 R10 Newsletter

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Upcoming IEEE Conferences in Region 10

2009 1st International Conference on Sustainable Power Generation and Supply (SUPERGEN)
06 Apr - 07 Apr 2009
Conference Location: Nanjing, China
Sponsored By: Power & Energy Society - PES

2009 International Symposium on VLSI Design, Automation and Test (VLSI-DAT)
28 Apr - 30 Apr 2009
Conference Location: Xian, Shanxi, China
Sponsored By: Control Systems Society - CS, Industrial Electronics Society - IE, Xian Section, Singapore Section IE Chapter
Final Paper Submission Deadline: 28 Feb 2009
http://www.urban-remote-sensing-2009.org.cn/

2009 Joint Urban Remote Sensing Event
20 May - 22 May 2009
Conference Location: Shanghai, China
Sponsored By: Geoscience and Remote Sensing Society - GRS
Final Paper Submission Deadline: 28 Feb 2009
http://www.urban-remote-sensing-2009.org.cn/

2009 4th IEEE Conference on Industrial Electronics and Applications (ICIEA)
25 May - 28 May 2009
Conference Location: Xian, China
Sponsored By: Control Systems Society - CS, Industrial Electronics Society - IE, Xian Section, Singapore Section IE Chapter
Abstract Submission Deadline: 15 Oct 2008
Final Paper Submission Deadline: 01 Mar 2009
http://www.ieeiciea.org

2009 IEEE International Symposium on Industrial Electronics (ISIE 2009)
05 - 08 Jul 2009
Conference Location: Seoul, Korea
Sponsored By: Industrial Electronics Society - IE
Abstract Submission Deadline: 28 Feb 2009
Final Paper Submission Deadline: 30 Apr 2009
http://www.ieee.org

2009 The Multiconference on "Computational Engineering in Systems Applications" (CESA) 06 - 08 Jul 2009
Conference Location: Seoul, Korea (South)
Sponsored By: Systems, Man, and Cybernetics Society - SMC
Abstract Submission Deadline: 01 Mar 2009
Final Paper Submission Deadline: 15 May 2009
http://cesa2009.ec-lille.fr/

INTELEC 2009 - 2009 International Telecommunications Energy Conference
18 Oct - 22 Oct 2009
Conference Location: Incheon, Korea (South)
Sponsored By: Power Electronics Society - PEL
Abstract Submission Deadline: 31 Jan 2009
Final Paper Submission Deadline: 30 Jun 2009
http://www.intelec2009.com

2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials (ICPADM)
19 - 23 Jul 2009
Conference Location: Harbin, China
Sponsored By: Dielectrics and Electrical Insulation Society - DEI
Final Paper Submission Deadline: 30 Apr 2009
http://www.icpadm2009.com

2009 9th IFAC International Symposium on Robot Control (SYROCO 2009)
09 - 12 Sep 2009
Conference Location: Gifu, Japan
Sponsored By: Industrial Electronics Society - IE, Robotics and Automation Society - RA
Abstract Submission Deadline: 01 Feb 2009
Final Paper Submission Deadline: 15 Jun 2009
http://www.syroco2009.org

2009 Joint 48th IEEE Conference on Decision and Control (CDC) and 28th Chinese Control Conference (CCC)
15 Dec - 18 Dec 2009
Conference Location: Shanghai, China
Sponsored By: Control Systems Society - CS
Abstract Submission Deadline: 01 Feb 2009
Final Paper Submission Deadline: 01 Sep 2009
http://people.bu.edu/johnb/ChinaCDC.html

2009 Transmission & Distribution Conference & Exposition: Asia and Pacific (T&D Asia)
26 Oct - 30 Oct 2009
Conference Location: Seoul, Korea (South)
Sponsored By: Power & Energy Society - PES
Abstract Submission Deadline: 31 Jan 2009
Final Paper Submission Deadline: 30 Jun 2009
http://www.ieee.org/power

2009 2nd Asian-Pacific Conference on Synthetic Aperture Radar (APSAR)
26 Oct - 30 Oct 2009
Conference Location: Xian, Shanxi, China
Sponsored By: Aerospace and Electronic Systems Society - AES, Geoscience and Remote Sensing Society - GRS, Beijing Section, China Council
Abstract Submission Deadline: 01 Jun 2009
http://www.apsar2009.org

CALL FOR JOURNAL PAPERS
IEEE Systems Journal
Special Issue on Biometrics Systems
The increasing needs for security as well as medical diagnosis make biometrics more and more valuable world-wide, both as theory, technologies, design methodologies, and applications are concerned. To create a biometric system various issues need to be studied in an integrated way: from sensing to measurement procedures, from signal analysis and interpretation to quality assessment, from feature extraction to

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classification and analysis, from knowledge creation to extraction, from algorithms to data structure, from computational complexity to system performance, from system engineering to software engineering, from privacy to social implications, and much more. Integration and cooperative combination are another key aspects if biometrics systems and applications.

This special issue is directed to collect original papers that address any aspect of the design, implementation and application of biometrics systems, by focusing on a system-level perspective. The detailed call for papers is available at [http://www.dti.unimi.it/~piuri/pages/TIM-SpecialIssueBiometricsSystemsCFP.pdf](http://www.dti.unimi.it/~piuri/pages/TIM-SpecialIssueBiometricsSystemsCFP.pdf)

The submission deadline is January 15, 2009. Acceptance notification is expected by April 15, 2009 and publication in August 2009.

Guest Editors of this special issue are: Vincenzo Piuri, University of Milan, Italy; Jie Tian, Chinese Academy of Sciences, China; and Evangelia Micheli-Tzanakou, Rutgers University, USA.

Questions about the special issue should be directed to Prof. Vincenzo Piuri (vincenzo.piuri@unimi.it).

**IEEE Transactions on Instrumentation and Measurement**

**Special Issue on Biometric Instrumentation and Measurement**

Biometrics is a growing and important applications area receiving significant interest as a result of the criticality and the social impact of its applications. In addition, the increasing worldwide interest in security makes biometrics even more valuable and desirable, from many perspectives including its theory, technologies, design methodologies, and applications. The constituencies that may benefit from this ever growing field include academia, industry, government, and the general public.

To create a biometric system various issues need to be studied in a comprehensive and integrated way: from sensing to measurement procedures, from signal analysis and interpretation to quality assessment, from feature extraction to classification and analysis, from knowledge creation to extraction, and much more. Integration and cooperative combination are other key aspects of biometrics applications.

This special issue is focused on publishing original papers that address instrumentation and measurement aspects of the design, implementation and applications of biometrics. The detailed call for papers is available at [http://www.dti.unimi.it/~piuri/pages/TIM-SpecialIssueBiometricIMCFP.pdf](http://www.dti.unimi.it/~piuri/pages/TIM-SpecialIssueBiometricIMCFP.pdf)

The submission period is February 15 - March 1, 2009. Notification of final acceptance is expected by June 30, 2009 and publication in December 2009.

Guest Editors of this special issue are: Fabio Scotti, University of Milan, Italy; David Zhang, The Hong Kong Polytechnic University, Hong Kong; Evangelia Micheli-Tzanakou, Rutgers University, USA.

Questions about the special issue should be directed to Dr. Fabio Scotti (fabio.scotti@unimi.it).

**Vincenzo Piuri**

IEEE Computational Intelligence Society, Past President (2008-09)