Chairman's Message

Dear Members

2011 has arrived. At the outset, I wish all the IEEE members of India Council A Very Happy and Prosperous New Year 2010 and Sankranti.

My term as Chair has come to end on 31st December 2010. The nomination committee has not been able to come up with a slate for the India Council for the year 2011. Therefore I have to write this column till a new Chair is elected and takes office in 2011.

The dedicated volunteers are taking IEEE in India forward steadily. Some volunteers get awards and recognition, while many others go unmentioned. It should not dishearten these volunteers who rendered selfless service and sacrificed many a things in the service of others. Those who got recognition should remember contribution of others in their success. That is the spirit of voluntarism.

The INDICON 2011 will be organized by Hyderabad Section and India Council. We need to publicize and popularize INDICON.

A number of high value IEEE events coming up in February and March. IEEE Standards Association is organizing standards outreach program at Mumbai on 3-4 February and at Delhi on 7th and 10th February at various locations. IEEE MGA is organizing a IEEE Industry Relation Day at Bangalore in India on March 10 and 11, 2011 at Chancery Pavilion.

We would like to have proposals from members for All India Student Congress (AISC) 2011 and 2012 which can be forwarded through their respective section chairs.

Once again with best wishes for the New Year to all Members.

Kasi Rajgopal
kasi.rajgopal@ieee.org

Message from India Council Secretary

Dear Members,

Wish you all a Very Happy and eventful IEEE New Year 2011!

India Council new slate is yet to be announced by the IC nominations committee and the deadline given by the AGM of IC is 31st January 2011. Numerous activities are taken up across IEEE India in the new year and to name a few of which are detailed below

1) NAAC workshop conducted by IEEE EA on 20-22 Jan at Bangalore in which IEEE President Dr.Moshe Kam is the key person as an MOU signing is also scheduled with NAAC.

2) Series of outreach sessions on Cloud Computing, Smartgrids and Design Automation are scheduled from 4-10 Feb by IEEE SA group in association with local sections and chapter societies at Mumbai, Bangalore and N'Delhi. An MOU signing with BIS at Delhi is also scheduled in Feb

3) IEEE's Industry day is scheduled at Bangalore on 10-11 March For details, please visit:http://www.ieee-industry.org/india

4) On 6-7 May a two day workshop on "Power Sustainability, Economics and Pricing" is planned at Bangalore jointly by IC and BS PES Chapters

5) IEEE as technical co-sponsor, the IEEE international conference on Technology for Education, T4E 2011, will be held at IIT Madras, Chennai, India from July 14-16, 2011(website: http://tfore.iitm.ac.in/)

6) On 22-24 Sept 2011, IEEE Kerala section, along with three major engineering colleges of Kerala, is organising an International conference on Recent Advances in Intelligent Computational Systems (IEEE RAICS 2011). Details are available in www.raics.org

7) The second Indian Antenna Week 2011 (IAW 2011) is scheduled to be organized by AP-MTT Chapter, IEEE Calcutta Section in association with UGC-NRC University of Calcutta at Hyatt Regency, Kolkata, India during December 18-22, 2011. http://www.antweek.org/ The biennial Applied Electromagnetics Conference AEMC 2011 is scheduled to be held during December 18-20, 2011 in Kolkata, India. This is sponsored/supported by IEEE Antennas and Propagation Society, IEEE Microwave Theory and Techniques Society http://www.ieee-aemc.org/

8) India Council's prestigious Annual technical Conference INDICON 2011 is being hosted by IEEE Hyderabad Section on 16-18 December at Hyderabad

9) Ending year 2010 with a successful completion note on AIYEHum 2010, based on the wide spread participant requests and enthusiasm evinced by budding engineers, IEEE Bangalore Section now launched the fresh All India Young Engineers' Humanitarian Challenge (AIYEHum 2011) http://youngengineers.ieeebangalore.org/

I request all IEEE friends to take active role in successful completion of these events.

Yours Sincerely,

Ramakrishna Kappagantu
Secretary, IEEE India Council
e-mail: kramakrishna@ieee.org

India Council – Few Thoughts

This article throws light on the India Council, its role and objectives, its visibility to outside world, its interactions and relation to the IEEE entities with in the country, activities, structure and management, finances, constraints and short comings in the present scenario, and some remedies towards a better IC.

I have few thoughts about the IC organization and its functioning.

Visibility - First of all, the India Council, as it is today, is one man show- the Chair is the only visible person to the outside world. From IEEE HQ to a student in the remote corner of the country, Chair is the only visible person. People do not know, in general, much about what is India Council and its role and functions

Organization and Function – The India Council is administered by a Executive Committee formed largely by the volunteers chosen from different sections. The Chair does not meet the rest of the executive committee members, who are (spread all over the country) supposed to plan and organize the activities of India Council under the guidance of the chair, physically even once during his tenure.

It is ironical, however that the chair meets physically the section chairs, on a foreign location during R10 annual meeting, once a year. The section chairs are either tired after a long air journey or would like to utilize available free time for exploring around and a bit of shopping. The section chairs who meet together, informally in the Chairman's hotel room, would like to know more about what is India Council about and why the sections should subscribe to its activities and views. There is more of explanations in this meeting than useful discussions on what could done and achieved.

Finance - The India Council does not get any rebate or assistance from IEEE HQ or from sections. Sections do not have the confidence though the council exists at the pleasure of Sections and they have their representatives or nominees on the executive committee of the council. Financially, India Council is not in a position to plan and organize any activities of interest to IEEE members across sections and the country. They are dependent on the sections to take up this responsibility on their behalf which makes the activity with a local flavor and participation than an all India event which it should be.

Executive Committee Election - The succession of officers is not smooth, i.e. it is not clear till last moment who will be next chair and who are the executive committee members. Fortunately, there has been no election and slates have been unanimously elected. However if there is petition candidate and an election, the process of succession is going to be delayed substantially.

Communication - The newsletter India Info is a link between all the organizational units the IEEE in the country. Sections and individuals volunteers seem to communicate to Section and and Region 10 newsletters but do seem to think about this channel for communication and publicizing the activities. The printed version coming out of the stables of Kerala Section till December 2009 has been replaced by the electronic newsletter. This has resulted in economy of paper, printing and postage to selected higher grade members (7000-10000 members) of India Council, the circulation of the newsletter is now to all members of the India Council i.e more than 30000 members.

Office and Location - There is no office with full time or part time staff for coordination consolidation of all the activities in the country.

These are some of the issues with the India Council and the sections.

Role and Function - As far as IEEE is concerned, India Council coordinates the activities with impact all over India and activities where more than one section, society chapter, student branches or large group of IEEE members have interest. On the other hand, India Council acts as a nodal point for interaction between IEEE and the Indian government, its officials and various departments.

The IC shall act as the voice of the above Sections at all IEEE Regional and Headquarter meetings and events. It is formed by the Sections to do those delegated tasks that can be best done together by the Sections rather than singly by each Section. **Accordingly IC shall invite the above Sections** to take up some of the all-India

activities on its behalf. **Furthermore, the IC must complement and not compete with the Section activities.**

The primary objectives of the Council are to:

a) Further the aims and objectives of the IEEE.

b) Coordinate the inter-Sectional activities of the constituent Sections.

c) Provide effective representation and support for the constituent Sections.

d) Promote countrywide IEEE activities.

e) Assist with development of activities, especially the development of inter-Section Chapters.

f) Provide for joint meetings of Sections, conferences and symposia within the Council, coordinate student activities within the Council and assist Sections and Chapters in the administration and documentation of activities within the Council.

g) Operation of IEEE Chapters and Affinity Groups on a pan-India basis for the benefit of members in Sections who do not have a critical mass for local formation of such groups

h) Coordination of Professional, Educational, Technical and Student Activities that are of common interest across Sections

i) Coordination of Distinguished Lecturer visits across Sections

Management and Officers - The primary issue is to make IC an effective, accountable and self sustainable organization. After studying the MGA operation manual and the bye laws of other councils, I have come to a conclusion that the IC should have Chair, Chair-elect and Secretary/Treasurer as elected officers while the section representative/nominees nominated by Section executive committee form the India Council executive committee. A desirable number of these representatives are appointed as the vice chairs for coordinating various activities. The vice chairs should plan the activities of the council and coordinate and execute with the help of local section. The term of the executive committee is one year and since the chair-elect is elected in advance, the succession is smoother. The sections also nominate their representatives well in advance.

The constitution of the Executive Committee and the elected officers can be done by the nomination committee in coordination with the sections. The sections nominate for the elected officers of the council (Chair, Chair-Elect and Secretary/Treasurer) and the section representative. The nomination committee scrutinizes the nominations and selects at least two most suitable nominations for each post. The elections are conducted to elect the Chair-elect and Secretary/Treasurer by the electoral college consisting of the Council officers, Section representatives, section chairs and the past chair. The term of elected officers is one year form January to December. The Chair-elect takes over at the end of the year from the out going council Chair. The newly elected Chair-elect, Secretary/Treasurer, and the section representatives, Incoming Chair and the past chair form the new Executive Committee which will take over from 1st January. The nomination committee will also select appropriate number of vice chairs, from the nominated section representatives, to assist the Council Chair in the activities of Council. This process will ensure smooth transition and continuity since it is known that Chair-Elect will succeed the current chair. The election of new Chair-Elect and Secretary/Treasurer and nomination of section representatives can be initiated in July and completed by 15th November.

Planning and Coordination - The chair should be able to meet the executive committee in the beginning of the year in January to review the previous year activities and propose and plan activities for the new year. **The sections should be able to extend event based financial support to the council**, i.e. the event will be planned with a estimated budget and the account to be settled at the end of the event with in 30 days. The council should be able to plan an annual meeting similar to R10 meeting with all the section chairs and one student branch chair from each section. This meeting should serve as platform to discuss policy matters and requirements of different groups of IEEE members, impact of IEEE on society, where training program sessions are held for the volunteers and best practices and unique activities experiences can be shared. This will be a good platform for networking of volunteers and planning structured activities for India Council and Sections.

The alternative to event based support is that the council is funded by agreement in the following manner:

(a)   By an assessment of each Section of the council based on the membership roll;

(b)   Voluntary contribution from Section based on the membership roll.

(c)   From region as it would do for an Area Chair;

Activities - The council activities with all India participation like INDICON, AISC, All India Student Branch Counselors Congress, MV Chauhan Student Paper Contest may conducted by each section by rotation. The organization of the event should be planned under the supervision of IC Executive Committee and coordinated by the section representative of the organizing section. This ensures that the India Council and Section share the responsibility of organizing the events. Apart from these activities, the council will also plan the activities listed in (a) - (i) above.

Prof. Kasi Rajgopal

Chairman, IEEE India Council

That's IT in December 2010

Prof. S. Sadagopan

In the general developments,

- French President & Chinese Premier visited India in December 2010
- Toyota launches "Made for India" car "**Etios**" on December 1, 2010
- Organized sector added 1.13 million jobs in India in 2010 (nearly two thirds by IT/ITES)
- Wipro Chairman Premji transfers Rs 8,846 crores worth shares to AP Foundation
- Adani commissions 660 MW thermal power plant in Mundra (in Gujarat) on December 27, 2010; a super critical power plant, that will be part of 4,620 MW plant by 2012 making it India's biggest by then
- Bangalore Metro trials started by end December 2010; likely to get commissioned in January 2011
- With 88 million square feet of Grade I office space, Bangalore is only next to Shanghai at 95 million and surpasses Singapore with 76 million square feet; Mumbai has 47 million and Delhi NCR has 45 million
- Moser Baer commission 5 MW solar power plant in Tamil Nadu
- Thousands stranded at European airports in December 2010
- GSLV rocket explodes on December 25, 2010 causing minor damp to India's Space technology success
- 2G scam in India, and WikiLeaks globally crowd the frontline news in December 2010!

In the **products** arena,

- **Google** launches Cr-48 Chrome OS powered Netbooks on December 7, 2010
- **HP Dream Screen 400** information appliance targeted at first time users reach markets in India
- **Notion Ink's Adam Tablet** starts selling
- **BlackBerry** launches OS 6.0 powered **Bold 9780** in India

In the **market-place**,

- Indian marketplace raised Rs 11,00,00 crores in year 2010
- British consumer goods giant **Reckitt Benckiser** bought out **Paras Parma** the owner of "Moov" for a whopping Rs 3,260 crores on December 13, 2010
- **Dell** buys storage vendor **Compellent** for $ 860 million on December 10, 2010
- **Siemens** decides to sell off its IT arm to **Atos Origin**
- **Sensex** closed at 20,509 on December end http://www.bseindia.com/histdata/hindices.asp)

The **Indian IT Companies** continued to do well

- **Cognizant** headcount crosses 100,000 on December 3, 2010, the fourth Indian IT services company to reach this milestone after TCS, Infosys and Wipro
- **Mastek** buys insurance services software company SEG software on December 1, 2010
- **TCS** bags Deutsche Bank deal worth $ 100 million on December 24, 2010

MNC Companies in India continue to grow their India operations

- The world leader **Dell** with $ 53 billion annual sales, has 23,000 of its 96,000 people in India as of 2010
- **Huawei** to invest $ 2 billion in India over the next 5 years and start a manufacturing plant in Chennai
- **Juniper Networks** to create its 4th Center with 750 seats in Bangalore in 2011
- **Texas Instruments** starts its Kilby Labs (named after TI Founder and Nobel Laureate) in Bangalore, the second such center after USA on December 21, 2010

In **telecom**

- All calls on BSNL landlines in India become local calls effective December 2010
- **RCOM** launches 3G on December 14, 2010

In the **Education & Research** front

- Supreme Court approves single test across India for MBBS seats in all medical colleges
- Government permits corporate sector to start technical institutions as Not for Profit companies (Sec 25 companies)

In the **people** front

- Times Magazine declares Facebook Founder Mark Zuckerberg as the "Times Person of the year" for 2010
- French President (December 3-6) and Chinese Premier (Dec 14-17) visit India in December 2010
- Wipro Chairman Premji transfers Rs 8,846 crores worth shares to AP Foundation representing a new milestone in Indian corporate philanthropy

Some **interesting numbers**

- Telecom subscriber base at 742 million (707 million mobile & 35 million of landlines) and broadband subscribers at 11 million as of October 31, 2010 (TRAI Press Release of Dec 24, 2010); with 15+ million subscriber addition per month 2010 subscriber base must have crossed 775 million
  - Rupee closes at 44.71 against USD by end December
  - Foreign exchange reserves stand at $ 295.03 billion by end December
  - Sensex (Indian stock exchange index) at 20,509 on December 31, 2010 (compared to 17,465 on December 31, 2009)

The Future of Biodiversity in India

Nandini Garg

CHAIR, Newsletter Editor
IEEE Student Branch PDMCE
IEEE student member (90827117))

Over the scope of applicability, universally, professionals, scholars, connoisseurs, specialists, and experts in practically all the arenas scrutinize, regard and look at India with sensation, admiration and miraculous as there are diminutive and little parallels elsewhere in the world that can glorify and exaggerate of such racy, bountiful and plentiful biodiversity in terms of alluring mountain ranges, deep and dark forests, beauteous grasslands, magnificent water bodies, flowing rivers, marine wealth and blazing deserts, and the varied huge amount of vegetation with life forms.

Broadly speaking, the pandemic and generic widespread technologies and expertises ameliorate, accommodate and restructure the demeanour and deportment of fabrication and creation and service industries, areas and activities irrevocably and irreversibly. They pioneer and unfold new scopes, openings and chances, create and develop complementarities and dictate and impose management and reorganisation of the availabilities and production. They assign and share physiognomy and features for instance such as broad latitude and space for modifications, variations, amendments, and enfolding and elaboration, aproposing and befitting diagonally an assortment of benefits and promising capabilities for employing in an array and range of inventions, consumptions, products, creations in a course of action, operations and processes. They modify and alter the hominoid and social capital prerequisites, constraints and necessities and commute the dexterity blend in the economy by slashing and stroking it in the vicinity of highly dedicated, supremely and immensely accomplished and experienced folks.

The picturesque landscape, viewing it from different perspectives, we see that, on a side we have the dry, austere and stark deserts of Rajasthan and, while the other side we are elated with the cold desert in Leh, Ladakh, the land of mountainous desert. Envisaging and ideating the stunner beauty and exquisitiveness of the sweltering and sultry rain forests in the Silent Valleys of Kerala and the solid, dense and thickset callous and untouched forests in the state Arunachal Pradesh. Moving more into the depth of biodiversity, we have the beautiful sights of the massive and colossal Chilka lake in state Orissa that spans and extends out for approximately as good as around 114, 000 hectares that supports and aids by providing home to the profuse, plentiful, copious and numerous forms and varieties of marine and aquatic life in addition to the catering and covering of several K's of the living forms and livelihoods. The huge and massive extent of micro-organisms has not yet even been appraised, assessed and computed. The huge land, country, India, might have just around 2.4 percent of the total world's domain, but it has exceedingly (over) enormous eight (8) percent of the summation of the global biodiversity.

As over and over again, one frequently or may be seldom, comes across regarding how the several varied forms of life, whether flora or fauna, are perpetually **evanescencing and endangered** around us. This excision and extirpation practice persuades and prompts to queries and suspects concerning what multifariousness is and why diverseness in the biodiversity is imperative and crucial. Beyond any doubt, certainly the responses and replies that one receives reckons upon whom one inquires. Capitalists, entrepreneurs, business-experts, government officials, scholars, technicians, scientists, and environmentalists, etc, every other individual has one's own prospect and impression to the before mentioned interrogations and queries. This solely fosters and advances the curiosity of the probing and inquisitive mind to discover and explore the veracity and verity.

The term "Biodiversity" also known as multifariousness, can chiefly and predominantly be ideated and viewed of merely as the variation and alterations of vivid several life forms existing within an atmosphere and surroundings of the environment. There are scores of contrasting and deviating environs on the land of India. One distinctively segregates these environments into numerous differently contrasting locations across the India with their own unparalleled and distinctive features, identified by the heterogeneity of life within the surrounding environment.

The multifariousness of the fauna and flora of the huge nation, India, as a whole is the inclusion and culmination of the manifold, distinctive and diverse affinity and relationships among the existing life forms in all of our India's biomes and ecosystems. Indians, as individual souls, are just one trivial and tiny part of that. Their survival and existence is exhibiting reliance on the activities and movements of the varied life forms persisting. If India recedes and drops off too much of its biodiversity, the multi-life forms will themselves desist, halt and cease to be sustainable and endure, as vital and indispensable natural and regular activities and processes are terminated and ceased. This is the reason and indication due to which, now it is so momentous and significant for us to condire, conserve and economize as much diverseness and vividness in India as much as human race can. In ensconcing the diverseness of biodiversity, we are preserving and delivering our own continuity, survival and existence.

If the environmentalists are tuning in at elucidations and explications to the vanishing and fading species, they will definitely need to prioritize and discern that clarification and explanation in every individual sort of environment will be distinctive than the solutions in every other environment. For instance, an aquatic bio-network will have a much differentiated salubrious and beneficial equilibrium and counterpoise of environmental factors and constituents than a terrestrial bio-network. One might need to helve and grip with the water dearth and insufficiency differently at one biome than one would in another network. Moving ahead, one must necessarily dissever and classify analysis and contemplations of the macro cistrons and ingredients such as water accessible from micro constituents such as a new strain and stretch of bacteria.

Practical applications, professionalism and technology implementation, certainly, no doubt and disbelief are the chief and leading peddlers and catalysts of revolutionising and bearing a great cracking radical potential as to how inventory procedures and practices could mend with proficiency advancement and how service transfer procedure could be made more effectual, efficacious and acceptable to massive sections and divisions of folks in a given circle. As such, these technologies do not only beget influence social, political and economic repercussions, but also expedite cultural adjustments by fostering about attitudinal and perspective modifications and alterations among the individuals. Never-the-less, the election and adoption of applications and technology should incontestably excogitate a broader communal concern along with cultural, political, environmental, economic and ecological deliberations as well as considerations.

India's allowances and estimated expenditures hovers and soars with the rhetoric and the so called ornateness of expansion, advancement, development and progress in the economic growth, but have yet to agnize and commemorate the riches and profuse abundance, the country stands and pedestals to reap and achieve with its varied and multi-biodiversity intact and undefiled. Balance statements of the future need to spot the respect and appraise of this rich biodiversity and generous and bountiful fund preservation, protection, conservation, restoring and promotion of sustainability. The demands and heaviness on natural possessions and the other chief resources are further-more mounting with the intensifying and expanding human inhabitants.

I strongly debate and fence to the fact that it is indispensable and pre-requisite to scrutinize the encroachment of unrestrained and hysterical manly pressures on biota and wildlife, prior to the encouragement of the concept of sustainability and the enhanced use of models of environmental guardianship and preservation and to explore and seek for the key beyond sanctuaries, bio-reserves and national parks. Enlargement and progressive growth and development is perpetually and unvaryingly connected with dynamic subtleties and numerous and varied intake and consumption patterns. These constantly increasing issues are going to affect and manipulate the control adversely in a significant way. It is out of the question, conscientiously, ethically, righteously, legally or unaccountably, to curb and confine the evolution in races and population, the procurement and attainment of newer profound advancements or the alterations in consumption practices. Invincible man-kind pressure, though proficient to local communities might not ascertain constructive to biodiversity protection and preservation. In some majestic and stupendous cases, conflicting to prevailing widespread notices and observations, restricted human population stress assisted in perpetuating and supporting biodiversity. To conclude upon, there is a lack of pragmatic, empirical and experimental appraisal of the encroachment of the individuals or as a whole society has on safeguarded areas is unconcealed, blatant and barefaced veracity and not just uninstructed and primitive.

INDICON 2010

IEEE (India) – WIE – GOLD – STUDENTS' MEET (MEET 2010)

December 17, 2010

K P Basu Memorial Hall, Jadavpur University, Calcutta

REPORT

By S. Sankarlingam

IEEE (India) – WIE – GOLD – STUDENTS' MEET (MEET 2010) was organized by the members of WIE, GOLD and Student branches of IEEE at Calcutta Section at Jadavpur University campus on 17th December 2010, as part of 2010 Annual IEEE India Conference INDICON 2010.

About 55 participants from all over India along with 30 IEEE members, guests and speakers attended this event. Prof Ramalatha Marimuthu, Global IEEE WIE coordinator graced the occasion by her august presence as the **C**hief **G**uest of this function. The meeting started with a welcome address by Prof. Kalyan K. Mallik, Chair IEEE Calcutta Section. Prof. Nabanita Das, Chair WIE Affinity group of Calcutta Section highlighted the global and Indian scenario on gender barrier present in engineering education and engineering workforce with recent data. She presented some glimpses of the social activities on Science and Computer awareness, organized by WIE AG, IEEE Calcutta Section, for the benefit of Engineering students with special emphasis on girl students, school children, under privileged children

and mothers of women engineers. Prof. Das also recollected the memories when this WIE group of Calcutta Section was awarded the Best WIE Affinity group of the year award for 2007.

Similarly, Dr. Jamuna K. Sing, Chair, GOLD Affinity group of the section presented the major activities to the audience. This was followed by a report from Prof. Bhaskar Gupta, Chair Students' Activities who listed the important events conducted at various student branches affiliated to Calcutta Section. Student branches of ISM Dhanbad, NIT Rourkela and NIT Silchar were cited as **very** active branches in this geographical territory. In his talk he congratulated Mr. Sayantan

Dhar, Chairperson of Student Branch of IEEE at Jadavpur University who won the second prize at M.V. Chauhan student paper contest 2010 organized by IEEE India Council. Prof. Gupta also congratulated Mr. Sujoy Mukherjee for bagging the best student poster award globally awarded by IEEE on "History of Electronics". Dr. Ayush Gupta, Chair, GOLD, IEEE Delhi Section, reported the activities of GOLD affinity group at Delhi Section. Next, in the inaugural address Prof. Ramalatha presented the importance of WIE to inspire, engage, encourage and empower women worldwide- especially the need to utilize their technical skills to help under privileged women and children. She highlighted the events that have been undertaken by various sections towards conducting technical awareness programs and acknowledged the awards won by various sections over the past few years. Her motivating lecture was really mind-touching, and surely it will encourage the young IEEE members to get involved with diverse activities of IEEE for social benefit and advancement. Finally, vote of thanks was proposed by Prof. Susmita Sur-Kolay. Vice Chair, WIE, IEEE Calcutta Section.

Following the inaugural session, there was a panel discussion on 'Entrepreneurship and Engineers in India' moderated by Prof. Sujit K. Biswas of EE Department at Jadavpur University. Five entrepreneurs from India and abroad shared their experiences with the audience in a very interactive way- that says entrepreneurship is lucrative for people who loves freedom but the path is not made of roses. They also insisted that the mindset of the society against entrepreneurship should be changed. It was also highlighted that women engineers have ample opportunity in entrepreneurship with flexible duty hours. Also, entrepreneurship gives the opportunity to serve the society in a great way. The CEOs participated include Mrs. Alakananda Rao, Mr. Animesh Mukherjee, Mr. Diptendu Dutta, Mr. Probal Sengupta and Prof. Subhashis Majumdar. The panel discussion was full of interactions and it is hoped that it will be an eye opener for the students and young engineers.

After the panel discussion, a short open house session on Career Development followed. It was chaired by Mrs. Archana Rai Law of Wipro Technologies. In her presentation the speaker stressed upon the individual judgment for selecting a career option. Students should follow the path that may offer them satisfaction. She also mentioned the necessity of co-curricular and extracurricular activities in one's career. The session was full of interactions and participants were greatly benefited from this enlightening talk.

The meeting was concluded with lunch arranged for all attendees.

We wish that this event turns out to be an annual event along with INDICON in the coming years.

IEEE RAICS 2011

2011 IEEE Recent Advances in Computational Systems

September 22 - 24, 2011 | Trivandrum, Kerala, India

Organized By

IEEE Kerala Section
Sree Chitra Thirunal College of Engineering Trivandrum India
College of Engineering Trivandrum India
Government Engineering College Barton Hill Trivandrum India

Call for Papers

The First IEEE International Conference on Recent Advances in Intelligent Computational Systems (IEEE RAICS 2011) will be held on 22-24 September 2011 at Mascot Hotel, Trivandrum, Kerala, India. The conference aims to focus on the cutting edge of computational intelligence theory and applications, bringing together researchers, developers and practitioners from across the world.

The adept learning and adopting ability of the human neuron grid has fired research activities in intelligent computations. Modeling of the complex systems and evolving the intelligent thought process of the biological world into the computational machines has been primarily the objective of all computational systems.

Authors are invited to submit papers (6 page, two column IEEE format) on original research work as well as practical applications on the topics listed below but not limited to:

Intelligent Systems and Applications: VLSI and Embedded Systems Applications, Intelligent Computations in Telecommunication, Intelligent Sensing and Control System, Robotics and Control, Automotive Electronics, Systems for Differently Abled

Signal Processing and Applications: Intelligent Computation in Signal Processing, Computer Vision and Pattern Recognition, Image Processing and Multimedia Systems, Digital Audio Processing, Photonics and Optical Computing, Sensor Networks and Ambient Intelligence, Virtual Reality

Soft Computing and Intelligent Systems: Knowledge Management, Expert Systems, SCADA Systems, Semantic Networks, Intelligent Networks and System Security, Neural Networks and Systems, Optimized Hybrid Techniques, Machine Learning, Cognitive Sciences

Emerging Computational Platforms: Wireless Networks, Net Centric Computing, Wireless and Mobile Computing, Cloud Computing, Multi-core & GPU Computing, Information Retrieval

Bioinformatics/ Medical Applications: Biomedical Systems, Bioinformatics and Computational Biology

Important Dates:
Draft Paper Submission Due On: 28 February 2011
Notification of Acceptance: 1 June 2011
Final Camera-ready Paper Submission Due On: 1 July 2011

Please note: To be published in the IEEE RAICS 2011 Conference Proceedings and IEEE Xplore®, an author of an accepted paper is required to register for the conference and must present the paper at the conference. Registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. Accepted papers will be published in the IEEE RAICS 2011 Conference Proceedings. Accepted and presented papers will be published in the IEEE 2011 Conference Proceedings, in IEEE Xplore® and will be EI indexed.

For more details, please visit the Conference Website: http://www.raics.org

All India Young Engineers' Humanitarian Challenge AIYEHum-2011

"An idea that is developed and put into action is more important than an idea that exists only as idea"
- Goutama Buddha

Can you solve a humanitarian challenge using science and technology? your project can be granted upto INR 10000 and Mentored by an expert IEEE Member! The most innovative idea may be funded to get patented!

The IEEE All India Young Engineers' Humanitarian Challenge (AIYEHUM) 2010, under the support of IEEE Foundation Grant, received proposals from about 150 colleges acrossIndia and 26 projects were shortlisted for funding. 3 of them were awarded with IEEE Conference travel grants, 2 of them have been patented and 1 of them has been taken up as an Entrepreneurial Venture.

In AIYEHum-2011, we are now inviting your innovative ideas of applying science and technology for benefiting the mankind. "Every young engineer should aim at gifting the mankind with technical contribution fostering innovation and excellence for the benefit of humanity"

With this ambitious goal, IEEE AIYEHUM 2011,an initiative of IEEE Bangalore Section with the support of IEEE India Council is launched once again to

- **? Help students recognize real world/humanitarian challenges.**
- **Direct the creativity of the students to come up with solutions to the recognized problems, apply technology and go ahead with implementing them.**
- **Nurture innovative ideas of students by mentoring their implementation approach.**

Scope:
All Science and Technology students of India (Graduate and Undergraduate students, Need not be IEEE members to participate and apply)
Website: http://youngengineers.ieeebangalore.org/

Deadline for project proposal submission : 1st March 2011

Protocol:

1) Invite applications for innovative project proposals that aim at solving the real world/ humanitarian challenges of their community/interest.
2) Approve applications based on quality, impact, students' merit and availability of the mentors.
3) Grant up to INR 10000 to each approved group and try to link the project with suitable mentors from industry.
4) Project showcasing event of all the approved projects after completion.
5) Award prizes (IEEE Conference Travel Grants)
6) Publish the projects on the IEEE India/ IEEE Humanitarian Technology Network websites.
7) Recommend the projects to the IEEE Foundation / Send the project teams to the Conferences on Technologies for Humanitarian Challenges.
8) Retain the selected projects for handing over to the next batch of students along with inviting fresh ideas.
9) Go to step 1