



19<sup>th</sup> November

VOLUME, NUMBER

## CHAIRMAN'S MESSAGE

I am happy that IEEE Bangalore Section is releasing the newsletter which gives a summary of activities of the Section this year so far.

I attended the region 10 meeting at Kota Kinabalu on 24<sup>th</sup> & 25<sup>th</sup> March 2007 and had an opportunity to meet Section Chairs from most of the Sections under Region 10 covering South Eastern states of Asia, Australia and New Zealand. We have two office bearers now in Region 10 directorate which is considered too low a representation. The India Council of IEEE has taken up the responsibility to see that this number increases. There was a discussion of a banking structure to ease out accounting procedures and problems arising out of membership payment through foreign exchange etc. The three prospective candidates for 2008 Presidentship – John Vig, Marc Apter and Pedro Roy canvassed for their election during the meeting and the President-Elect, Mr. Lewis Terman addressed the Section Chairs. The presidential election is in process and I urge all IEEE Members to utilize their option.

The membership of the Bangalore Section has increased and a number of colleges have started student activities. This has to be speeded up further.

An important achievement is opening of the Power Engineering Society Chapter which was done in the presence of eminent persons like Shri H.L.Bajaj, Member (Technical), Appellate Tribunal for Electricity and Dr.Rambabu Adappa from EPRI. The Chapter under the leadership of Shri Sohoni has already launched itself to make the rest of the year occupied with a number of activities.

Indicon-07 and the Annual Symposium of Bangalore Section was a success. We got an overwhelming response from all quarters. The conference was held in CPRI premises, Bangalore. I thank members of India Council and the Bangalore Section for their whole hearted support.

Around Bangalore we have a number of organizations with large number of engineering professionals. We are in touch with GE, ABB, Areva and others. I request through this forum that the organizations take active interest in the IEEE activities and ask their colleagues to join IEEE as members.

The organization seeks cooperation of all student members and IEEE Chapters to keep the IEEE Bangalore Section remain vibrant and in return help them achieve new heights.

I look forward to continued cooperation from all.

A K Tripathy  
Chair-IEEE Bangalore Section

---

## **IEEE Power Engineering Society Chapter, Bangalore**

### ***Report on Inauguration***

The inauguration of IEEE Power Engineering Society Chapter of Bangalore Section has taken place on 11<sup>th</sup> April, 2007 at CCAR Complex, Central Power Research Institute (CPRI), Bangalore at 1130 Hrs. Around 30 members participated in the inaugural function of which 23 were IEEE members and 18 were PES members. A list of participants is attached. The inaugural function was followed by lunch and a technical talk on “Increasing Transmission Capacity” by Dr.Rambabu Adapa from EPRI, USA.

Welcoming the participants Shri V.K.Agrawal, GM,SRLDC and Vice Chair of the PES Chapter emphasized the need of electric power utilities and the experienced personnel from the industry and academics to come together to combat the power crisis problem in the country. He had expressed that the platform of IEEE Power Engineering Society would help the task of achieving such goals in the country viz. the way Central Government and Regulatory Authorities brought reforms with special reference to Power Exchanges, Revision of Transmission Tariff, Loss Application and Accounting methodology, Short Term Open Access, Regulations, etc.

As a customary tradition the Power Engineering Society was inaugurated by lighting the lamp by the following dignitaries on the Dias.

1. Shri H.L.Bajaj, Member (Technical), Appellate Tribunal Electricity and former IEEE Director of Region 10.
2. Shri H.P.Khicha, Chairman, Electrical Science Division, Indian Institute of Science, Bangalore, Past Chairman, IEEE Bangalore Section and Past EXECOM Member of Region 10.
3. Dr.Adapa Rambabu, EPRI,USA



4. Dr.A.K.Tripathi, Director General, CPRI and Chairman IEEE Bangalore Section.
5. Shri D.G.Sohony, ED, POWERGRID, SRTS-II and Chairman Power Engineering Society Chapter, Bangalore.

In his inaugural speech Shri H.L.Bajaj had congratulated the Chair of Section and PES Chapter and formally declared the following office bearers elected for the PES Chapter, Bangalore.

1. Shri D.G.Sohony, SR-II, POWERGRID as Chairman
2. Shri V.K.Agrawal, SRLDC, POWERGRID as Vice Chairman
3. Shri K.Ramakrishna, SRLDC,POWERGRID as Secretary
4. Shri M Arunachalam, BHEL as Joint Secretary
5. Shri M.M.Babu Narayanan, CPRI as Treasurer

He had appreciated the efforts and the timely inauguration of the PES Chapter under Bangalore Section. He had conveyed that time, place and opportunity are very important for bringing into action such society activities which are in need of the day for improving the power situation in India. He had emphasized that since competition is very high for India to sustain the WTO challenges, in which education and new technology play a major role and the IEEE professional activities like that of the Power Engineering Society would definitely help to achieve the goals. He advised all the Power Engineering fraternity to encourage IEEE professional activities especially that of PES Chapter and help the Nation growing ahead.

Prof. H.P.Kincha in his presidential address informed the participants that it is a re-birth for PES Chapter which was vibrant in the yester years. He had emphasized that the power and environmental problem has set goals pretty high for the technocrats in India and IEEE has to remain vibrant in networking expertise and providing appropriate solution from various fronts. He had also advised PES Chapter to involve in “Managing Complexity in a Distributed World”(MCDES) , an IISc - centenary Conference scheduled to be held in May 2008 commensurating with the celebration of Indian Institute of Science.

Dr.Rambabu Adapa shared his experience as Treasurer of the Santaclara PES Chapter, Sanfrancisco emphasizing the need for PES Bangalore Chapter, being an infant, for evolving finances through Section support, sponsorship, conducting tutorials / technical talks and ensuring reasonable participation. Thus the Chapter can also get nominated for Outstanding Chapter Awards etc., and try to get assistance from HQ. Further, he had advised that by getting registered for distinguished lecturers (DLT) Programmes, the Chapter can get expert faculty from abroad and within India in areas like FACTS, power quality, power reform, wind integration, etc.

Dr.A.K.Tripathi had briefed the gathering on the IEEE activities of the Section, the efforts that went into the formation of Power Engineering Society. He had also explained the benefit that can be derived by the IEEE members and the Power Engineers with special reference of striking a balance between the investors and consumers in the power sector for overcoming the power crisis and national economy problems. He assured the support of the Section for the Chapter activities and expressed his confidence that the Chapter will remain vibrant in its activities through participation from Power Sector leaders like BHEL, POWERGRD, CPRI, IISc. , KPCL, KPTCL and other Industries.

Shri D.G.Sohony thanked all the speakers for their advice and explained the audience that the target of IEEE PES Chapter and technical requirement therein to help networking globally for filling the demand – supply gap with involvement of like minded people. He had also conveyed that the Chapter could be a right platform to market the ideas of power industry and their technical experts through IEEE activities. He was hopeful that joint decision would always give good results. He had mentioned that Chapters immediate target would be the membership drive.

Shri K.Ramakrishna, Secretary PES Chapter informed the procedures followed for getting PES Chapter approved and ensured the gathering that with the right guidance of the experts and leaders both from IEEE and Industry, the Chapter

would definitely perform and live to the expectations expressed. He had also informed that apart from the five office bearers formally elected to the IEEE PES Bangalore Chapter, interested volunteers who can contribute for the functioning and growth of PES Chapter are welcomed, who can later be co-opted as Executive Committee members.

Shri M.M.Babunaryanan presented vote of thanks. He thanked all the dignitaries on the Dias for making convenient to attend the inaugural function and for their valuable advice. He had also thanked all the members and invitees of the function for their presence which made really a difference in making the event a grand success.

---

### **Student Activities: Bringing Institutes together**

IEEE Bangalore section has 42 student branches spread around Karnataka state. More than half of these branches are active and conduct activities quite regularly. The target from section for this year was to enable student branches in the same region to come together and organize events. Also the idea is to conduct Bangalore section events where a cluster of student branches are located and not just limit to Bangalore.

Both these goals have been achieved with conducting the flagship student activities of section in cities out of Bangalore and get it conducted by branches together.

- Bangalore Section Student Leadership Congress ( NITK Surathkal )
- BRV Varadan student paper contest ( SJCE Mysore, PESCE Mandya, NIE Mysore)
- Technical Colloquium ( GIT, Belgaum) –Planned for 19-Nov-2007

Along with these events, Bangalore section supported student branches in regular tasks of

- Opening student branches
- Assisting in membership development
- Providing financial assistance for one event in a year
- Participation through Technical expert lectures

- Dignitaries for Branch functions sharing IEEE learning

Section also financially supported participation of selected students in All India Student Congress (AISC) conducted at Ahmedabad in September 2007.

The following Student Branches were started new this year, with few more in the pipeline pending approval.

- PESCE, Mandya
- JSSATE, Bangalore

### **Student Leadership Congress at NITK Surathkal**

Student leadership congress was successfully and grandly conducted at NITK Surathkal on 12-13 October 2007. The congress had a record attendance of over 100 students participating from over 15 student branches and we had participation from various regions of the state. Bangalore section was represented by Ravikiran A, Student Activities and R.K Hegde, Treasurer. Dr. Sumam David, Branch counselor from NITK Surathkal and Prof. Shanbogh from Canara Engineering college, Mangalore were present through out and actively participated in the congress.

The congress was spread over 2 days with an agenda of:

- Leadership talks from Industry experts ( Infosys, Sun Microsystems, CPRI, Nokia Siemens Networks)
- Student Branch Tasks and responsibilities ( IEEE Bangalore – SAC)
- Presentations from every Student branch ( Successes and Issues )
- Leadership training on the beach

Special thanks to the NITK Surathkal student branch volunteers for conducting the event in a professional way and to all other student branch volunteers who participated very enthusiastically.

## BRV Varadan Student Paper contest at SJCE Mysore

This is the annual student paper contest of Bangalore section, this year this event was jointly organized by SJCE Mysore, PESCE Mandya and NIE Mysore on Nov 2<sup>nd</sup> 2007 at the conference hall of SJCE Mysore.

The event was formally inaugurated by **Dr T Srinivas, Prof ECE, IISc Bangalore and IEEE Bangalore Section**. He spoke about the need of such IEEE paper presentation competitions and the rules of the paper competition. The Chief guests were,

1. **Dr B G Sangameshwara, Principal, SJCE Mysore**, who spoke about the need of IEEE student branch in engineering colleges,
2. **Ramkumar, MD, Techtronics India** & also the branch mentor of IEEE-SJCE, spoke about the advantage of being an IEEE member in the industry.

The stage was also adorned by **Dr. C R Venugopal**, Staff advisor IEEE- SJCE

The first prize was shared by two papers

1. Prasanna K & Preeti R of M S Engineering College, Bangalore  
Sub: Enhanced MPEG Compression on I Frames
2. Prashanth G Rao & Suhas N of UVCE, Bangalore  
Sub: An efficient prediction model of diabetes database using data mining Techniques

The second prize was also shared by two papers

1. Murali G K, Sriharsha G & Supreeth J of UVCE, Bangalore  
Sub: MANETS for tracking and monitoring coal miners
2. Rukmananda Mallya & Shankar Jadhav of SJCE, Mysore  
Sub: Implementing independent speaker recognition using Mel- frequency cepstral coefficients and vector quantization

Judges for the event were:

1. Dr. T Srinivas, Prof, Dept of ECE, IISc, Bangalore
2. Dr. K A Radhakrishna Rao, Prof, Dept of ECE, PESCE, Mandya
3. Dr. Sukumar, Prof & Head, Dept of ITE, SJCE, Mysore

*It was heartening to see various branches come together and conduct the event together. With success of such co-operation we can expect to have more events in various cities with collaboration. Special thanks to all student volunteers for organizing this event in the best possible way.*