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I. CHAIRMAN'S COLUMN

Dear IEEE Bangalore Section Members,

Many thanks for nominating me as Chairman of the Bangalore Section of IEEE. I have now a responsibility of not only maintaining the reputation of this section as one of the most dynamic IEEE sections, but also improve upon its past performance.

IEEE is a professional body, which believes in organized working with well defined role for its office bearers and members. The Executive Committee shall be responsible for the Chapter meets, Seminars and Lectures, opening new Student Chapters, increasing membership and keeping contact with national and regional headquarters. The Chapters will concentrate on carrying forward the dissemination of technical information in different specialized fields and maintaining the brand image of IEEE. The Student Members can demonstrate the achievements possible through teamwork and learning.

As has been the practice, I shall endeavour to maintain good and harmonious relations among EXECOM members and Chapter Chairmen as well as Student Chapter Chairmen. We shall be in touch through our website & e-mail, letters and informal and formal meetings.

I take this opportunity to thank Dr. Surendra Pal who steered the activity for two years and built up a good team. I expect that full cooperation and support shall be available to me from past office bearers.

We shall endeavour to start the Power Engineering Society as early as possible and give it a good start. Students' activity shall be encouraged and awards and motivation schemes would continue. We need good volunteers and active support of members. I shall be in touch with you and please feel free to give suggestions.

With best wishes to you all,

Dr. A K Tripathy
Chairman, IEEE Bangalore Section

II. REPORT ON ANNUAL GENERAL BODY MEETING

The Annual General Body Meeting (AGM) of IEEE, Bangalore Section for the year 2005 was held on 5th February 2006 at Hotel Taj West End, Race Course Road, Bangalore. There was an overwhelming response for the AGM with 330 members, several of them attending with their spouse. The total attendance was about 386, which includes Student members also. Dr. S.Pal, Chairman, chaired the meeting with Ms. Soumya, a student member compeering the event. A hand out comprising the Agenda Notes of AGM 2005, Secretary's Report for the year 2005, Treasurer Report for the year 2005 and the minutes of AGM 2004, Bye-Laws of the Section along with a compliment were distributed to all the members who attended the meeting. Dr. S. Pal, Chairman conducted the proceedings and called the AGM to order.



From left to Right: Mr. V.V. Srinivasan, Secretary, Wg. Cdr. Parthasarathy, Treasurer, Mr. K. Ramakrishna, Vice Chair & Dr. S. Pal chair

WELCOME

Prof. A. Selvarajan, Vice-Chair welcomed the gathering and thanked the members for taking time out of their busy schedule to attend the AGM which was an important annual event of the Section. He informed the AGM that the Section continues to have consistence growth in terms of number with Student members forming the major portion. Currently there is no identified office for the Section and he hoped that in the years to come something would be done in this regard. There is a need to register the Section and towards this the first step of drafting the Bye-laws is important and the same has been done by this EXECOM. One of the critical agenda for the event is the adoption of this bye-law. He also pointed out that the financial status has become stronger and the same should be used effectively in the form of scholarship for needy students. He concluded his talk by extending a warm welcome to the participants.

MINUTES OF THE PREVIOUS AGM

Chairman requested the Annual General Body to consider for adoption the Minutes of the AGM 2004. Mr. K. Jayaraman proposed for adoption of the Minutes and Prof. S.V.Sankaran seconded the same. The Minutes were duly approved and adopted.

REPORT OF THE SECRETARY FOR THE YEAR 2005

Mr. V.V. Srinivasan, Secretary presented the highlights of various activities of the Section. He pointed out that the year started with the visit of IEEE President Mr. Cleon Anderson with his wife during 14th and 15th of January 2005. During this visit many important meetings were conducted with EXECOM, Student Branches, IISc, ISRO and M/s. Infosys. Section conducted technical talks under Frontier Lecture Series (FLT), Tutorials, Workshops and Symposiums on various topics in cutting edge technology. Secretary mentioned that all the technical talks organized by the Section were without any registration fee and received good response with a very good participation from non-IEEE members.

Secretary highlighting the Awards won by the Section informed about EDSSC chapter receiving the Chapter of the year award (2005) from the Electron Devices Society, which was presented during the IEDM 2005 at Washington. The AGM was informed about the election of Prof. Anurag Kumar, IISc as IEEE Fellow from January 2006. Additionally, the Section's Senior Member strength increased by 18 with as many members getting elevated to Senior Member during the year.

In November 2005, the 14th Annual Technical Symposium on "Emerging Trends on Wireless Technologies" and BRV Vardhan Memorial Student Paper Contest were organized by Mr. A. Ravikiran (Technical Activities Chair) under the guidance of Prof. A. Selvarajan. The event was conducted at Hotel Atria, Bangalore on the 24th and 25th with approximately 100 participants taking part. A new Society Chapter viz. EMBS was approved by IEEE HQ and the same was formed in December 2005. Dr Anantha Padmanabha is the Chairman of this Section. Dr. S. Pal and Prof. S.V. Sankaran attended Section R-10 and IEEE Section meetings while Prof. Khincha attended the R-10 meet at Singapore.

Prof. S.Pameswaran proposed the adoption of the Secretary's Report and Prof. Lawrence Jenkins seconded it. The Secretary's Report was adopted by AGM.



Participants of AGM 2005.

REPORT OF THE TREASURER FOR THE YEAR 2005

Wg. Cdr. H.R.Parthasarathy, Treasurer presented the audited Section accounts for the year 2005 and highlighted the fiscal accounts of the section as given in the financial statement which is approved by Auditors. The report presented a healthy financial position of the Section with the fund situation standing at approximately Rs.55 lakhs. Treasurer pointed out that the seed money given for Student Branches Annual Fest is increased to Rs. 1.25 lakhs and emphasized that point that the Section is committed to spending more money on Student Branches. Wg. Cdr H.R. Parthasarathy also informed that with increased cash flow, the Tax Deducted at Source (TDS) is also high and emphasized the need to get the Section registered in order to get tax saving. Mr. U.P. Naik proposed the financial report for adoption and Dr. K.J. Singh seconded the same. The AGM thus adopted the financial report for the year 2005.

REPORTS ON STUDENT ACTIVITIES

Mr. K. Ramakrishna, Student Activities Chair (SAC) presented to AGM the report of Student Activities. To start with SAC thanked the students and the respective college Managements for their cooperation in conducting the various activities of the Student Branches successfully. SAC mentioned that Student members form 45% of the Section strength and hence the section had spent about 35 - 40 % of its annual budget on the student activities. Various Student Branches have reciprocated very well to the support rendered by the Section. The various financial supports extended to the new and existing Student Branches was highlighted by the Chairman, Student Activities. The Student Leadership Workshop was conducted at SIT Tumkur and a Technical Colloquium at BVB College of Engineering, Hubli.

SAC informed the AGM that five new Student Branches were approved during the year and all of them were inaugurated. Apart from this, the Section has helped many colleges in filing petition for opening a student branch and had also conducted talks on benefits of becoming an IEEE Student member. The trend of opening more student branches in reputed colleges will be continued in the year to come.

Prof. Venugopal, Branch counsellor, UVCE Student Branch was awarded the Best Student Branch Counsellor by RAB. Dr.T. Srinivas introduced Prof. Venugopal to the AGM and read the citation received from RAB. Subsequently the Section Chair Dr. Surendra Pal presented the award to Prof. Venugopal. In his brief address to AGM Prof. Venugopal expressed his happiness and that he is thrilled on receiving this award.

The AGM was informed that the Section has decided to award a Best Student Branch Website Award carrying a cash prize of Rs.10,000/-, towards which eight applications were received. Based on the guidelines evolved for the selection SAC announced that the Student Branches at Sri Jayacharmaraja College of Engineering, Mysore and Manipal Institute of Technology, Manipal shared the Best Student Branch Award for the year 2005. Prof. M.A.L. Thathachar, Ex-Chair of the Section presented a Certificate with Citation and a Cash Award of Rs.5,000/- each to the above Student Branches. Chairs of the top five Student Branches were allowed to give a report on their Branch activities.

Prof. Venugopal, Branch Counsellor of UVCE, Bangalore was awarded the Best Student Branch Counsellor by RAB and he was felicitated with a certificate from the Section. Dr. T. Srinivas, member of EXECOM introduced Prof. Venugopal to the AGM and read the citation of the Award. Subsequently the Section Chair Dr. Surendra Pal presented the award to Prof. Venugopal. In his brief address to AGM Prof. Venugopal expressed his happiness and that he is thrilled on receiving this award.

SOCIETIES, CHAPTERS AND GOLD AFFINITY GROUP REPORTS

Chairmen/Representatives of the Society Chapters and GOLD Affinity Group had briefed the AGM about the activities of their respective Chapters. Mr.Raghunathan the Chair of CPMT Chapter, Mr. K. R. Suresh, of ED/SSC and Mr. Satyanarayanan of GOLD presented a report on the activities of the respective Society Chapter/Affinity Group.

PRESENTATION OF STUDENT PAPER CONTEST AWARDS

Certificates and prizes were distributed by Dr. Surendra Pal, Chair to the prize winners of the B.R.V.Vardan Memorial and PG Student Paper Contest 2005.

FIRST PRIZE: Srikanth Sridharan (NITK, Surathkal) for his paper on "Background Noise cancellation using dual microphones and digital signal processing for audio communication applications".

SECOND PRIZE: N.Nikhil Santosh and Abhishek Mitra, RVCE, Bangalore for their paper on "Applications of Moving Window Fractal Dimensions for Measure of Human EEG Signals".
Abhinav Anand, Ankur Pandey, Nitesh Kumar (NITK Suratkal) for their paper on "Adaptive Segmentation of MRI Data and the Fire Break Algorithm".

POSTGRADUATE STUDENT PAPER CONTEST

FIRST PRIZE: Prasanta kumar Ghosh, IISc, Bangalore for his paper on "ESTL: Novel Temporal Feature and its application to speech segmentation".

SECOND PRIZE: Deepak NA, RVCE, Bangalore, for his paper on "Multiple Scene compression and analysis of remote sensing data using principle component analysis".

FELICITATION TO FELLOW

In honour of his achievement on getting elected as Fellow 2005, Prof. Anurag Kumar was felicitated by Section Chairman Dr. S.Pal, by presenting a silver plaque, fellowship certificate and pin.



Dr. S. Pal, Section Chair Felicitates Prof. Anurag Kumar on his elevation to Fellow of IEEE.

FELICITATION OF SENIOR MEMBERS

The EXECOM during its deliberation resolved to honour the members elevated to Senior Member grade. Dr. S.Pal, Chairman, felicitated elevated Senior Members for 2004 and 2005 by presenting a

copper plaque. Chair, requested eligible members to apply for Senior Members and assured that the Section would render all support in this regard.

PRESENTATION OF BYE-LAWS

Dr. S. Pal, Chair briefed the AGM on the need for having Section Bye-Laws. He informed the AGM that bye-laws are mandatory to have a office space for the Section. In the past there were occasions where it was required to open bank accounts for the conduct of major events like Conferences and Symposiums, Banks insisted for Bye-laws. He assured the AGM that this would be eased once the Section adopts its byelaws. Dr. Pal informed the AGM that with the steady and higher growth of the financial situation, requirement for byelaws is all the more important.

Chair, informed the AGM that Bye-Laws have been worked out, discussed in the last three EXECOM meetings, incorporated suggestions received and the finalized Bye-Laws are presented before AGM. Thanks to active participation from the Section members, detailed discussions took part on various sections of the Bye-Laws. Some of the sections, which are binding on the EXECOM were separated under Guidelines. The guidelines followed till now will be separately maintained along with the Bye-Laws. It was resolved to delete some of the sections, which are minor in nature.

Dr. Surendra Pal, Chair consolidated the changes that would be made and assured the AGM that the same will be incorporated prior to finalizing the Bye-Laws and the same will be published in the Section website. Subsequently Prof. Venugopal proposed the adoption of Bye-Laws and Mr.Rakshit seconded it. The AGM thus adopted the Bye-Laws.

ELECTION OF EXECUTIVE COMMITTEE FOR 2006

Prof. K. Rajagopal, Chair of the Slate Nominations Committee presented the slate for 2006 to the AGM:

Name	IEEE Grade	Organization	Section Designation
Dr. A K Tripathy	Senior Member	CPRI	Chairman
Mr. K Ramakrishna	Senior Member	Powergrid	Vice Chairman
Mr. V V Srinivasan	Senior Member	ISRO	Secretary
Dr. Hitesh Mehta	Senior Member	Eagle Photonics	Treasurer
Mr. A Rajarao	Senior Member	Ex BHEL	Member
Wg Cdr H R Parthasarathy	Member	Ex CDOT	Member
Dr. K J Vinoy	Member	IISc	Member
Mr. A Ravikiran	Senior Member	Siemens (SPCN)	Member
Dr. T Srinivas	Member	IISc	Member
Mr. L Charles Santhosam	Member	Philips	Member
Mr. A. Anoop	Member	Siemens (SPCN)	Member
Mr. Niranjana S Patil	Member	Tata Consultancy Services Ltd.	Member
Ex-Officio			
Dr. Surendra Pal	Fellow	ISRO	Immediate Past Chairman
Prof. H P Khincha	Senior Member	IISc	R10 EXECOM Member
Mr. S V Sankaran	Senior Member		R10 EXECOM Member

Past Chairmen of the Section in Bangalore

Prof. K. Rajagopal also mentioned that in the absence of any nominations or petitions, the Executive Committee 2006 was declared elected unanimously. The EXECOM was authorized by the AGM to co-opt some more members to the EXECOM. Prof. K. Rajagopal thanked the EXECOM for appointing him as Chairman, Slate Nomination Committee.

OUTGOING CHAIRMAN'S REMARKS

Dr. S.Pal in his remarks said that the Section has kept its tradition of maintaining the high standards of activities during the year. The Section was actively associated and involved in the year 2005 in organizing the International Radar Symposium IRSI-2005. Chair informed the AGM that the International Symposium on Microwaves conducted by the section was a success and said that the Section has decided to conduct this Symposium on alternate years. The AGM was informed that the International Symposium on Microwaves (ISM) will be held in 2006 with Dr.Christopher as Organizing Chair Shri. H R Ramakrishna, Ex-Executive Director, CRL, will be the Technical Chair and a seed

money of Rs.50,000/- is approved by the EXECOM for the conduct of the Symposium. Additionally the Section will co-sponsor the Wireless Communication and Optical Network (WICON 2006).

Initiatives have been taken for felicitating newly elected Fellow, Senior Members and various Members receiving awards from professional societies, government or non-government organization for their professional achievements. The Section has also announced new awards for Outstanding Volunteers, Best Student Branch etc with maximum attention towards the student activities.

Chairman of the Section briefed the AGM about the visit of IEEE President Mr.Cleon Anderson to Bangalore in January 2005. Prof. Selvarajan started many new technical activities including the Frontier lecture series; Mr. Ramakrishna took pains in encouraging various colleges to open new Student Branches. The dedicated and excellent volunteer Wg. Cdr. Parthasarathy as treasurer looked after the finances and ensured that the funds crossed Rs.50 lakhs. Chairman, thanked other EXECOM members for conducting the various technical, professional and student activities and mentioned that a great amount of effort has gone into conducting these activities. Dr. S. Pal thanked Prof. Khincha, Prof. Sankaran, Prof. Rajagopal, Prof. Jenkins and Mr. Parameshwarn for their suggestions and help on various issues. In his concluding remark, Dr. S. Pal thanked the Section members present during the AGM for adopting the Section Bye-laws.

INCOMING CHAIRMAN'S REMARKS

Mr. K. Ramakrishna, Vice-Chair introduced Dr. A.K. Tripathy, incoming Chair to the AGM attendees. As Vice-Chair, Mr. K. Ramakrishna assured the AGM that new heights will be scaled in the years to come with increased efforts by the EXECOM. Vice-Chair thanked the outgoing Chair and the EXECOM for generating bye-laws for the Section. The AGM was informed that with the adoption of the bye-laws, the registration process for the Section will be initiated and the necessary help towards this will be taken from Dr. S. Pal. (Dr. A.K. Tripathy, incoming Chair could not come due to some urgent official assignment).

VOTE OF THANKS

Mr. Hitesh Mehta thanked all members and their family persons for attending the AGM. He also thanked the large number of student members who attended the AGM without which the AGM would not have been a success. He thanked the officers, members, and volunteers for making AGM 2005 a grand success.

The Annual General Body Meeting ended with a lunch.

(V.V. Srinivasan)
Secretary, 2005
IEEE BANGALORE SECTION

III. MEMBERSHIP DETAILS

A & A Panel Meeting in Bangalore

The next A & A panel meeting, which decides the elevation from Member grade to Senior Member Grade by scrutinizing all the SM applications, will be held in Bangalore on 22nd April 2006. This is a great privilege for the Section as the panel will also consist of some Senior Members from the Bangalore Section.

CONGRATULATIONS!!

IEEE Bangalore Section congratulates the following members on their elevation to Senior Member Grade during the First Quarter of 2006.

- **Harish Chandra**
- **Rajesh Sundaresan**
- **Anand Venkitachalam**
- **Ashok Bhattacharya**
- **Suparna Bhattacharya**
- **Jayaraman K. Iyer**
- **Raghavendra V. Kulkarni**

IV. EDITOR'S REFLECTIONS

It's a great pleasure to deliver you the First newsletter of the year 2006. This is the third year in a row for me as an Editor for this newsletter. I look forward to your active support in improving the content and Quality of this newsletter by way of suggestions, comments or Feedback. Selected letters to the Editor will be published in the newsletter.


L. Charles Santhosam.

Editor

Email: charles.Santhosam@philips.com; Ph: 9448078190.

V. IEEE BANGALORE SECTION EXECUTIVE COMMITTEE 2006

Dr. A.K Tripathy

 Chairman	Educational Qualification	
	Professional Experience	
	Current Employment	Director General Central Power Research Institute
	Fields of Interest	
	Contact Details	2360 2457 (O) 2360 2940 (R) dgcpr@powersearch.cpri.res.in

Mr. Ramakrishna K

 vice Chairman	Educational Qualification	BE (Electrical) M.Tech (Automation and Control)
	Professional Experience	20 years in Teaching, Planning, and Operations in power systems
	Current Employment	Southern Regional Load Dispatch Centre, Power Grid corporation of India Ltd.
	Fields of Interest	Power System operations, Economic load dispatch, open access & Scientific commercial settlement systems.
	Contact Details	DGM POWER GRID, 130, H Block, Sena Vihar, Kammanahalli, Bangalore - 560 043. Ph: Res: 25452414 Off: 22251169 kappaganturk@hotmail.com


Mr. Srinivasan V.V.

Secretary	Educational Qualification	M.Tech Microwave Electronics
	Professional Experience	Working in ISRO since 1986 in the communication Systems Group
	Current Employment	ISRO
	Fields of Interest	Satellite communication & Antenna Engineering
	Contact Details	Ph: Res: 26583214. Off: 2508 3332 vsrinivasan@ieee.org

Mr. Hitesh Mehta

 Treasurer	Educational Qualification	M. Tech. (IIT-Delhi)
	Professional Experience	9+ years experience in the field of optoelectronics and optical communication
	Current Employment	Working as Chief Technical Officer at EaglePhotonics, a fiber optics service, training and consultancy organization
	Fields of Interest	Optical communication, fiber optics and Photonics
	Contact details	"Kalpataru", 764/44, 4th main road, 4th block, Rajajinagar, Bangalore - 560 010. Ph: Res: 23113241 Off: 23500710 Mob: 31863396. hmehta@ieee.org

Wg. Cdr. Parthasarathy

 Member	Educational Qualification	BSc, BE-ECE from IISc
	Professional Experience	Served for Indian Air force for 24 years and in C-DoT for the last 14 years
	Current Employment	Retired from C-DoT
	Fields of Interest	Microwave communication systems & RF
	Contact Details	9/1, 14th main, 3rd cross, Mathikere Extn, Bangalore- 560028. Ph: Res: 23603564 Mob: 94483 83564 hpartha@yahoo.co.in


Dr. Srinivas T

Member	Educational Qualification	PhD from IISc
	Professional Experience	10 years in the area of Optical communications
	Current Employment	Asst Professor, IISc
	Fields of Interest	Optical communications, Integrated optics, MOEMS
	Contact Details	Department of Elec. Comm. Engg, Indian Institute of Science, Bangalore– 560012. Ph: 22932852(lab), 23452792 (home) 9341232204 (cell) srinu@ece.iisc.ernet.in


Dr. A. Raja Rao

Member	Educational Qualification	
	Professional Experience	
	Current Employment	Ex BHEL
	Fields of Interest	
	Contact Details	arajaroo@vsnl.net


Mr. Charles Santhosam L

 Member	Educational Qualification	MSc Engg from IISc
	Professional Experience	9 years in the field of 3G mobile communication Systems and Microwave radio systems
	Current Employment	Philips Software Center Pvt Ltd.
	Fields of Interest	3G Mobile systems, Processor Architectures and Digital Signal Processing
	Contact Details	B1598, 4 th main, B Block, Sahakar Nagar, Bangalore – 560092. Ph: Off: 25579000 Mob: 9448078190. charles.santhosam@philips.com


Mr. Ravikiran A

 Member	Educational Qualification	MBA from IIMB, BE (ECE) from UVCE
	Professional Experience	9+ years. Working with communication systems & IN Systems
	Current Employment	Product Manager, Siemens
	Fields of Interest	Telecom Services & Techno-marketing
	Contact Details	274/2 Menaka Nilaya GEF post, Subbiah Colony Mysore rd, New Guddadahalli Bangalore – 560026. Ph: Res: 26743926 Off: 25062146 Mob: 9844350587. Ravikiran.A@siemens.com


Prof. K.J. Vinoy

 Member	Educational Qualification	Ph.D from Pennsylvania State University, USA 2002
	Professional Experience	9+ years of experience. Worked as a Scientist in NAL and as a Post Doctoral Researcher in Pennsylvania State Univ.
	Current Employment	Assistant Professor, Department of ECE, IISc Bangalore, since Sept. 2003.
	Fields of Interest	RF MEMS, Antennas, Microwave circuits, Computational Electromagnetics, Microwave Materials, Smart Materials and Structures, Sub-millimeterwave systems
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Mr. Anoop

 Member	Educational Qualification	B.Tech from Cochin University of Science and Technology
	Professional Experience	8+ years of experience in the telecom domain
	Current Employment	Siemens Public Communication Networks Pvt. Ltd.
	Fields of Interest	Wireless telecom technologies
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Mr. Niranjana Patil

 Member	Educational Qualification	BE (Instrumentation and Electronics)
	Professional Experience	4+ years of experience in information security and networking
	Current Employment	Tata Consultancy Services Ltd.
	Fields of Interest	Information Security, perimeter security, digital forensics, vulnerability assessment.
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Dr. Surendra Pal

 Chairman	Educational Qualification	PhD from IISc
	Current Employment	ISRO Satellite Centre
	Fields of Interest	Satellite communications
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Prof. S.V. Sankaran

 R10 EXECOM MEMBER	Educational Qualification	MS in Control Systems
	Current Employment	Consultant
	Fields of Interest	Modeling & Simulation, Industry-Academic relations
	Contact Details	877, Srinivasiah Block, 6th main, BEML layout 3rd stage, Rajarajeswarinagar, Bangalore - 560098. Ph: Res: 28604667. Mobile: 98451 85227. Email: svsan@ieee.org

Prof. H.P. Kincha

R10 EXECOM MEMBER	Educational Qualification	
	Current Employment	Dept. of Electrical Engineering Indian Institute of Science
	Fields of Interest	
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