



CHAIRMAN'S MESSAGE

I am sure, by now most of our Sections/ Chapters would have completed their election / nomination process, as per IEEE byelaws and norms; and would be sending the same to IEEE HQ, along with the Activities Report and Accounts. Kindly send it to reach IEEE HQ before 22 Feb 1998, to get that special 10% Bonus Rebate; which is sizeable, with Rupee conversion rate touching 40. Hurry! Kindly also endorse a copy to India Council Secretary-cum-Treasurer for actions at our end!

For a professional Society like IEEE, the office bearers must ensure that the following are done by the time new teams take over:

1. Close the accounts, get these audited and approved by the AGM, along with the Activities Reports for the previous year.
2. Prepare Activity Plan for the current Year along with Provisional Budget for approval by the New Executive Committee.
3. Inform all concerned about the details of new Team including India Council, so that it can be included in our monthly Bulletin.

In my view, sharing of information about people and activities at All India level will have a Catalytic effect on IEEE movement, especially in this Information Revolution era! India Council Home Page on the Internet will bridge the existing gap in this direction. Based on your suggestion, Partha has designed an excellent Home Page, which is under Alpha testing at present. It is now being released for Beta testing at <http://members.tripod.com/~ieeeindia> to get feedback from our active Professionals upto 28 Feb 1998. From March 1998, IEEE India Council will be on ewh.ieee.org, where we have been allotted our Permanent Home! This puts an additional responsibility on our Volunteers in Sections / Chapters to ensure

that we are always updated. Dr. Parthasarathy is being designated as Pagemaster for India Council and he will be a permanent Invitee to India Council meetings, like the Editor of our Newsletter. You all can approach him for any suggestions / help.

Computer Society members may be aware of Joint Task Force of IEEE-CS and ACM for finalising Software Engineering Ethics and Professional practices. These are over and the 10 point ETHICS of IEEE sent to all, along with our renewal cards every year. Final draft has now been circulated for feed back through IEEE Computer Nov. 97 issue and Web at <http://computer.org/tab/prof/se/>. The draft gives the Preamble, Code containing 8 Principles relating to Product, Public, Judgement, Client & Employer, Management, Profession, Colleagues and Self. Each of these Principles has clear cut clauses for guidance to software professional. Since Information Technology is now covering every area of Engineering, I strongly recommend our members to see these and give their comments. Sooner or later, we

all are going to be affected by the Software.

Once again, I request our IEEE professionals to give me or any member of India Council, your valuable Comments/ Suggestions for helping us to do our job in better way in 1998.

DO SEE OUR HOME PAGE !



Hyderabad
01 February 1998

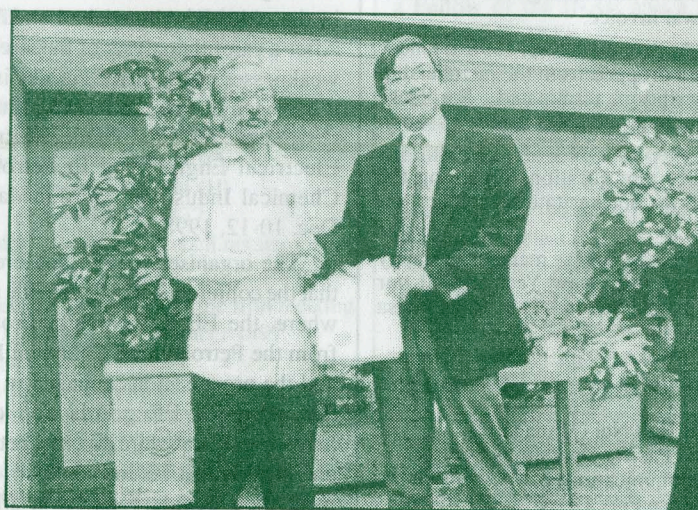
Dr. R K Bagga
Chairman

WISE AND OTHERWISE

Life has its many mysteries, among which is why there is always one key on your chain that doesn't fit anything.

The life of a needle is always hanging by a thread.

Don't tell the world what you can do; just do it.



Mr. N. Vyaghreswara Rao, Secretary, IEEE India Council, who received the Outstanding Volunteer Award Region - 10, with Prof. Paul Y.S. Cheung, Secretary, IEEE at Brisbane, Australia during TENCON 97.

INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, INC. INDIA COUNCIL

Statement of Receipts & Payments - 1997

Receipts	Rs.	Ps.	Payments	Rs.	Ps.	Rs.	Ps.
Opening balance actual (Statement - 1996)	2,67,829.	82	Expenditure pertaining to 1996			13,206.	32
Interest earned in 1996	2,745.	00	Seed Money to ACE'97			30,000.	00
From Hyderabad Section IA & C-95 a/c	25,000.	00	Student Activities MVC - SPC '97			10,025.	00
From Sections towards Registration issue	30,000.	00	Newsletter a/c				
From IETE - Seminar on Inf. Tech.	5,585.	00	Old dues 1996	17,000.	00		
From ACE'96 seed money	10,000.	00	Current support	10,030.	00	27,030.	00
From HQs. Rebate to chapters	14,827.	00	Other expenditure				
Interest earned	9,256.	14	Communications	2,995.	00		
Total	3,65,242.	96	Travel	7,813.	00		
			Xerox, Stationery & Office	2,269.	00		
			Bank Charges	591.	00	14,668.	00
			Closing Balance				
			Fixed Deposits	1,53,848.	00		
			S/B Account. Hyd.	1,14,662.	55		
			Newsletter a/c (Trivandrum)	674.	00		
			Horizon a/c (Delhi)	500.	00		
			SBI (Powai, C/A)	628.	89	2,70,313.	44
			Total			3,65,242.	96

Hyderabad
10 January 1998

Maj.Gen.(Dr.) R K Bagga
Chairman

R V N Sastry
Auditor

N Vyaghreswara Rao
Secretary & Treasurer

TECHNOLOGY CORNER

Breakthrough in Wind Direction Measurement

A non-doppler optical sensor for inexpensive and accurate measurements of cross wind speeds over long distances has been developed. This single ended, long path laser wind sensor registers even faint wind movements that an anemometer finds difficult to record. Developed at the Georgia Tech Research Institute, this device was originally meant for having an idea of the rate at which a pollutant is leaving a factory. But because the sensor measures average wind directions over long distances, it might have additional applications in aviation, meteorology, or aerosol dispersion studies. It is particularly useful in locations where erratic winds are the norm. This device can, unlike conventional lidar systems, pick up turbulence. It is also easier to use. Unlike doppler systems which measures wind along the beam, this device does it across the beam allowing sensing of erratic winds more accurate.

(source: www.lasersoptmag.com)

Boost to Solar PV electricity?

A breakthrough in identifying Polymer emitters may give boost to Solar Photo voltaic technology. Samson Jenekhe, a chemical engineer at the University of Rochester has

obtained two patents for his innovative work with plastics that emit or absorb light. The technologies related to this are being commercialised by Research Corporation Technologies(RCT) of Tucson, Arizona. One patent is for rigid ladderlike polymers that combine impressive strength with the capability of emitting light in all colours. Their good light conducting properties make them well suited for use in next generation electronic cameras and photocopiers, or for photo detectors that turns light on automatically. Such polymers are durable even at 500- 600 deg. C, compared with ordinary plastics that melt below 200 deg. C.

His next patented work is on Conjugated polymer exciplexes, which can convert electricity into flashes of light four times more efficiently than most conjugated - means long molecular chains of alternating single and double bonds - polymers. Efficiency of 10% raised to 42 %. While this four fold efficiency increase in converting electricity to light in itself is noteworthy, the increase in efficiency of the opposite reaction is a real breakthrough. Dr. Jenekhe, who is Professor of Chemical Engineering, Chemistry and Material Science, believe that these polymer exciplexes could make the conversion of light to electricity, such as in solar energy converters, upto 1000 times more efficient. **Let us be impatient!** - Ed.

Isaac Muckadai Memorial Prizes Given Away. IEEE Student Paper Contest 1997

The IEEE-IAS Kerala Chapter organised the annual IEEE Student Paper Contest in the Engineering Colleges in Kerala.

The papers were evaluated by a three member committee based on presentation, content, etc. on January 01, 1998.

First Prize of Rs. 2,500/- and Award Certificate for the paper "Infra-Red Remote controlled multiway switch" went to Mr. Vincent Naveen Maurice of 7th Semester Electrical & Electronics, College of Engineering, Trivandrum.

Second Prize of Rs. 1,500/- and Award Certificate for the paper "Miniature Battery Charger and Charge extractor" was awarded to Mr. M.P. Sreejith of 5th Semester Electronics and Communication, College of Engineering, Trivandrum.

Third Prize of Rs. 1,000/- and Award Certificate for the paper "Automatic Speed Control" was bagged by Mr. Ajith N.C., Mr. Anupkumar and Ms. Divya Ravindranath of 7th Semester Electrical & Electronics of NSS college of Engineering, Palakkad.

The Prizes were distributed during the IEEE Kerala Section Annual General Meeting on 31.01.1998. Congratulations to the winners and thanks to all the participants.

Nelson R. George, Chairman, Joint IAS Kerala Chapter.

EDITORIAL

A NEW COLUMN ON DIARY OF EVENTS

It is proposed to have a new column entitled 'Diary of Events' in the Bulletin from March '98 issue onwards. This will list in Chronological order, the forthcoming programmes of our Sections and Chapters. Officials of Sections and Chapters may write/e-mail/fax the details like Topic, dates, contact persons to the Chairman/ Secretary of India Council with a copy to the Editor also. Such information should reach the editor, latest by the last Friday of every month/30 th of the month. e-mail address : vk_deo@hotmail.com; Fax : 0471-345587.

The Bulletin goes to press every 1st, unless there is a stop press message from the Chairman, IC. The Bulletin is likewise posted on 8th of every month, unless that date is a holiday, in which case it gets posted on 9th. As the Bulletin has got Licence to post without pre-payment, this date cannot be changed. Kindly, formulate your notes and announcements accordingly.

Sections may also let us know of the 1998 Office bearers at the earliest.



Trivandrum
01. 02. 1998

Prof. V K Damodaran
Editor