

## IEEE India Bulletin Vol. 11 No. 2 February 2001

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### CHAIRMAN'S MESSAGE

#### A National Calamity

The prime-minister candidly admitted that our nation does not have systems, that could be activated to effectively mitigate the human misery caused by the Bhuj earthquake. Why is it that a country of a billion people does not have such a competence may be understood by taking the example of one specific area.

We are unable to field surgeons, surgical equipment and tools necessary to face the emergency situation. Even though we have hundreds of medical colleges, we are unable to put together even one team per medical college in such an emergency. It is because every hospital and the associated medical college is working with a bare minimum staff and equipment. All the systems in every hospital are near breaking point.

Only a well-governed and efficiently-run system can have the capability of facing such situations. That is why even small nations like Norway and Switzerland can fly out, at a short notice, well-equipped teams to help us. But much larger administrative units (our states) are not able to rise to the occasion.

Secondly we as individuals have learnt to donate in temples, mosques, gurudwaras and churches for our personal salvation. But we do not know how to donate for a humanitarian cause even on a national scale. On the other hand Christian charities are able to collect donations, month after month, from ordinary middle class persons in the west. They are then able to funnel large amounts to Africa and Asia through large organizational efforts. Every year cases of malfeasance are reported from some part of these world-wide organizations. These are dealt with adequately but the work goes on without any interruption. Millions of ordinary people go on donating from their hard earned income for their less fortunate brethren.

If the large Indian middle class were similarly motivated by humanitarian considerations, our charitable organizations would have been able to build capabilities, which would have proved useful today.

We may ponder over these issues so that each one of us may be able to work out the corrective action that should be taken so that we are also able to develop nation-wide strong charitable organisations in the long run. However for now I would appeal that

every one of us must donate, out of our personal funds, an adequate amount to help the nation face the calamity.

Ahmedabad **Dr. A. K. Aggarwal**  
01 February, 2001. Chairman



**E-mail :** [aka19@hotmail.com](mailto:aka19@hotmail.com)

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**This issue is sponsored by**

**INDIA COUNCIL OF IEEE**

**IEEE INDIA COUNCIL : SLATE FOR 2001**

**After due deliberations and consultations, the NC has prepared the following slate for the India Council Committee of 2001:**

<b>Office</b>	<b>Name</b>	<b>Section</b>
Chairman	Shri P K Srivastava	Delhi
Executive Vice Chairman	Prof V K Damodaran	Kerala
Secretary- Treasurer	Shri Rajendra K Asthana	Delhi
Vice Chairmen	Professional Activities	Dr Shivaji Chakravorty Calcutta
Student Activities	Dr S C Gupta	
Technical Activities	Prof. S.C. Sahasrabudhe	
Membership Development	Shri C R Sasi	Madras
Educational Activities	Shri Amit M Johri	
Member at Large	Shri R Murlidharan	Bombay
Member at Large	Shri Sandeep Todi	

In case some members would like to suggest some "Additional Nomination by Petition", they may do so by sending the candidate's name(s) to the Secretary-Treasurer - 2000 at the following address, by Registered Post only, so as to reach him not later than 28 February 2001. To be valid, such petitions shall carry the signatures of no fewer than 25 voting members of the Council and will include a statement of the willingness of the candidate to serve the Council. Elections will be held in case two or more valid nominations are received for a particular post. The address is :

**Prof. A. R. Pandya**  
Secretary-Treasurer  
IEEE India Council -2000  
Kalyan Alaknanda Tapovan Society  
V. K. V. Road, Nadiad - 387 001, Gujarat

The following members of IC are nominated by the Chairman:

Hence, their names are not mentioned in the slate.

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## **STOP PRESS**

Mr. Joel Snyder, President, IEEE has expressed his concern as well as that of the entire professional community under the world's largest professional body viz. IEEE to the people of India on the devastating earthquake which struck Gujarat and the neighbouring region on the morning of the first Republic Day of this Century. Er. H. L. Bajaj informs the India Council that on behalf of IEEE, the President will be sending a contribution to the Prime Minister's Relief Fund. Thank you President, for your concern and prompt response on behalf of the entire IEEE. -Ed

### **IEEE India Council Announces its Ethics Committee**

IEEE India Council had an Ethics Committee existing in the past. Of late such a committee is not existing. Hence it was felt that the Chairman may establish an Ethics Committee so that if there are any issues at the Sections/ Chapters/ Student Branches, which need to be studied in the light of IEEE's policies, procedures and good practices, the Committee may be able to provide the necessary advice and guidance to members and office-bearers in India. Such advice and information would help reduce unnecessary tensions at Sections/Chapters/Student Branches since such problems, arise due to lack of information. Provision of such advice and information to members and office bearers will therefore help eliminate simmering discontent, if any, among volunteer-members and the consequent display of disharmony before the IEEE volunteer officers from outside India. The Ethics Committee is an attempt to provide a mechanism whereby studied advice would be available from a committee of senior members for members, who may seek its help.

It is an attempt to see that harmonious relations that prevail today at nearly all the Sections/Chapters/Student Branches in India may continue.

After deliberation on the subject at the IC meeting held at Mumbai, the Chairman Dr. A. K. Aggarwal has constituted the Committee as follows:

Chairman: Mr. Quraish Bakir (Bombay )

Members: Dr. Kasi Rajgopal (Bangalore)

Mr. S. Gopakumar (Kerala)

Dr. R. K. Vir (Delhi)

The members of the Ethics Committee will be invited members of the IC.

**-Editor**

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### **MILLENNIUM MEDAL WINNERS WITH IEEE PRESIDENT**

At the venue of ACE 2000, the IEEE Presidents' Third Millennium medal winners of Bombay section received the same from the President Dr. Bruce Eisenstein (Standing 6th, from left - 1st row). Next to him is D.N. Purandare (Centre) one of the founders of IEEE in India. Medal winners from Kerala and Tamil Nadu who were present at the event are also seen in the photograph

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**NATIONAL SEMINAR ON VLSI**

The National Seminar on "VLSI : Systems, Design and Technology", co-sponsored by IEEE Bombay Section, IEEE AP/ED Bombay Chapter and CSI, was held at IIT Bombay during December 9-11, 2000. It was a very successful seminar, attracting about 350 people from industry, academics and research labs engaged in VLSI and Microelectronics. The seminar was inaugurated by Dr. Anil Kakodkar, Chairman, AEC. Over 40 contributed and invited papers were presented. A one-day tutorial workshop on "VLSI Architectures for DSP" was also held which attracted 150 participants, including many students.

**-J. M. Vasi Chair, Bombay Section**

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**2001 SECTION OFFICE BEARERS****BOMBAY**

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## **DELHI SECTION MEETS IEEE PRESIDENT**

Six of the seven IEEE Millennium Medal recipients of Delhi Section with IEEE President (sitting); Standing (from left to right) Mr. Man Mohan S. Puri (PES), Dr. Subrata Mukhopadhyay (PES), Mr. Harbans L. Bajaj (PES), Mr. Promod K. Srivastava, Dr. Pratap N. Choudhary (ComSoc) & Mr. A. Velayutham (PES); Mr. Raj Kumar Vir (EMS), not in the picture, also received the medal.

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## **GET TOGETHER WITH IEEE PRESIDENT & MILLENNIUM FUNCTION**

IEEE Delhi Section along with its PES-IAS Delhi Chapter and India ED-MTT Chapter organized a get-together of Members with IEEE President Prof. Bruce A. Eisenstein at India International Center, New Delhi on December 19, 2000. After an introduction of President by the Section Chair Mr. Rajendra K. Asthana, President inaugurated the Silver Jubilee celebration of India ED-MTT Chapter through traditional lighting of lamp. Chapter Chair Dr. K. S. Chari gave an account of the achievement of the Chapter in the last twenty-five years. Prof. Eisenstein then briefly highlighted the scenario about membership growth, role of various societies, targets and projections of the Institute and requested members to present their views. In this session Dr. K. S. Chari and Dr. Govinda of India ED-MTT Chapter, Dr. Subrata Mukhopadhyay & Mr. Pardeep Jindal of PES-IAS Delhi Chapter, Mr. Raj Kumar Vir of EMS Delhi Chapter, Dr. Mini S. Thomas & Mr. Dinesh P. Gupta of Delhi Section, Delhi College of Engineering Student Branch Counselor Prof. Asok Bhattacharyya participating in the discussion expressed concern on the issues of payment of membership fees in Indian Rupees, availability of transactions, of other Societies to members of a specific Society, continuation of membership by the Students, processing of payment by members, specifically for students in bulk, availability of financial advantage program to members in India, etc. However on these issues though certain suggestions came up, it was, it was felt that most of them being of local origin, solution too should come up here itself within the framework of laws and rules applicable in India.



Later in the evening in the Millennium Function organized at the India Habitat Centre attended by Millennium Medal recipients, PES Outstanding Chapter Engineer and India ED-MTT Chapter Executive Committee with their families, IEEE President was introduced to the audience by the Section Chair. Seven Millennium Medals were presented to Dr. Pratap N. Choudhary, Mr. Harbans L. Bajaj, Mr. Promod K. Srivastava, Mr. Man Mohan S. Puri, Dr. Subrata Mukhopadhyay, Mr. Raj Kumar Vir and Mr. A. Velayutham by IEEE President. While congratulating them for their selection Prof.

Eisenstein remarked that the total number of medal winners being 3,000 out of over 352,000 IEEE Members worldwide (i.e., less than 1%) it was definitely a matter of pride for the concerned volunteers. The occasion was also utilized for the presentation of 2000 PES Outstanding Chapter Engineer Award to Prof. B. Prasad Singh of Indian Institute of Technology Delhi. India ED-MTT Chapter while celebrating their Silver Jubilee, honored their past Chairpersons and present Executive Committee by presenting mementoes. The function ended with dinner hosted by the Delhi Section.



**-Dr. S. Mukhopadhyay**

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### **ELITEX 2001**

Pl. register yourself at  
[www.elitexindia.com/register.asp](http://www.elitexindia.com/register.asp)  
to  
avoid any last moment embarrassment Electronics and Information Technology  
Exposition'2001 by Ministry of Information Technology (MIT) 5-6 FEBRUARY 2001  
at  
India Habitat Centre, Lodi Road, New Delhi  
and contact  
Dr. R. G. Gupta Director Ministry of Information Technology  
Tel/Fax No.011-4363095(O), 011-6255675(R)  
e-mail : guptarg@mit.gov.in

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### **IEEE - INDUSTRIAL APPLICATIONS SOCIETY**

The IEEE - Industrial Applications Society of IEEE, Madras Section was inaugurated on 29th December 2000 at IEEE premises by Er S. A. Soundara Rajan, Chairman, IEEE Madras Section.

He emphasized the need for starting such a society and invited many student members to take active interest in the activities. He mentioned that there is an enormous increase in the starting of Students branches all over India especially in Tamil Nadu after the successful conduct of Student Congress 2000 at Chennai. Prof R. Bhavani Shankar, a Senior Member and Executive committee Member of IEEE, Madras Section offered felicitations. He complimented the students for starting the activities of the

new Industrial Applications Society at IEEE, Madras Section banner. He emphasized the need for professional Societies with orientation towards application software to all areas of Engineering and Technology. He felt that this Society will bring more members and activities in the new year 2001.

Prof. S. S. Narayanan delivered a Lecture in the Workshop on WEB COMMUNICATIONS AND E-COMMERCE on the occasion. His lecture was well received and appreciated by the students who attended the workshop. About 50 students from various technical institutions participated in the workshop and had good interaction with the students.

***-Report from Madras Section***

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## **AI APPLICATIONS**

### **Workshop on AI Applications for Power Quality in Energy Management Systems 24 - 25 March 2001**

**Organised by :  
Department of Electrical Engineering Institute of Technology**

**at  
Banaras Hindu University Varanasi 221 005**

#### **Scope**

**The workshop will broadly cover the following topics:**

- AI techniques: expert systems, ANN and fuzzy logic.
- Application of the above techniques to: Load forecasting.
- Security assessment & contingency analysis.
- State estimation.
- Optimal operation.
- Active & reactive power management.
- Stability.
- Protection.
- Distribution systems- reconfiguration & restoration.
- Genetic algorithms, Evolutionary programming & simulated annealing and their applications.

Mail your correspondence to:

**Dr. S.P. Singh**

Co-ordinator

AI Power Quality Workshop Department of Electrical Engineering,  
Institute of Technology Banaras Hindu University Varanasi 221 005, U.P.

E-mail: [spsingh@banaras.ernet.in](mailto:spsingh@banaras.ernet.in)

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Fax: 91-542-368 925, 91-542-368 428, 91-542 -368 174

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## **IC SPECIAL MDC FOR IT**

Last year IEEE India Council had constituted a Special MDC for the Power Engg. area. Now IC is constituting a Special Membership Development Committee for

the IT area with Mr. N. T. Nair as the Chairman. Mr. N. T. Nair will be an invited Member of the IC.

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## SOFTWARE ENGG-LECTURE

**IEEE Computer Society  
IEEE Kerala Section  
Institution of Engineers (India)  
& IETE Trivandrum LC**

Cordially invite you to attend the Lecture on Software Engineering Code of Ethics & Professional Practice

By

**Dr. S R Ganesh**

(Consulting Advisor and Ethics Counsellor, Tata Consultancy Services)

and

**Mr. Anthony Lobo**

(Assistant Manager Human Resources in Tata Consultancy Services)

at

Institution of Engineers Hall, Trivandrum on February 14, 2001 at 6 PM

Please Contact: **Dr. K. Kesavasamy**

Secretary, Computer Society,

IEEE - Kerala

kesavasamy@tvm.tcs.co.in

IEEE Kerala Section, Ambujavilasom Road, Thiruvananthapuram - 695 001

## Paolo Tenti & Dr Giorgio Spiazzi in Chennai

Workshop on Electromagnetic Compatibility in Electrical Industry was conducted in conference hall at Image Auditorium, inaugurated on 29.01.2001 by Er N S Ganesan, Chief Engineer of AIR & Doordarshan, and presided over by Thiru M V Muthuramalingam, Chairman, Vellammal Educational Trust. The tutorials were conducted by Dr Paolo Tenti & Dr Giorgio Spiazzi both from University of Padova, Italy. 85 participants attended. The interaction between the participants and speakers was noteworthy.

Dr Paolo Tenti & Dr Giorgio Spiazzi visited Vellammal Engineering College on 30th and delivered a lecture at the College premises. Later they visited Sameer Electronics in the after noon.

**-S. A. Soundararajan, Chairman**

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## WISE AND OTHERWISE

"A learned man is a tank; A wise man is a spring.."

- Alger

"A man's reputation is the opinion people have of him. His character is what he really is."

-- Jack Miner

"To escape criticism, do nothing, say nothing, be nothing. "

- Elbert Hubber

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## IEEE STUDENTS CONGRESS 2001

An important program for all the IEEE Student Branches in India is being organized, under the auspices of IEEE India Council, from March 6 to March 9, 2001 at Mumbai. The event is being hosted by the IEEE VESIT Student Branch in Bombay Section. 6-7 March : National Symposium  
8-9 March : National Congress

### **Cordial Invitation:**

India Council cordially invites you to grace the occasion with your presence and to help the organizers to conduct the program in a better way through your guidance and participation.

Wherever you have (or had) a personal contact with an IEEE Student Branch, I request you to provide help in the following two ways:

#### **1. Please extend the invitation**

On behalf of India Council, to the Counsellor and to the Chairman of the Branch . Please try to motivate these IEEE Officers for participation so that the participation in the Congress is in large numbers.

#### **2. Inactive Branches**

If there are any inactive Branches in your Section, the Congress can be a good place to inform and to motivate the likely office-bearers of the revived Branch. I therefore particularly request you to use a little of your time for contacting the Principal or Director or Counsellor or some Faculty member, who can help to revive every such Branch. Please identify the Counsellor or the likely Counsellor. Through him, a Student, who as the Chairman could help recreate the Branch may be identified. Please talk to these persons about the Congress so that they may be able to attend the Congress.

I look forward to all the help that you can provide for this important event.

With Regards,

**(Dr. A. K. Aggarwal)**

PS : Log on to [www.ieeevesit.org](http://www.ieeevesit.org) for the detailed program and for online registration or contact Mr Aravind Kailas (aravindk@ieee.org) for further details.