



Chairman's Message



Dear Fellow Members,

The Memorandum of Understanding between IEEE and IEI i.e. Institution of Engineers (India) has been renewed with effect from 1st January 2006 to 31st December 2008. The MOU encompasses joint activities like joint projects, events and products such as conferences, forums, publications, history standards, educational materials etc. The MOU also envisages coordination of technical activities to the extent practical and publication exchange by mutual agreement.

IEEE India Council is contributing to Region 10 in a big way. As on 31st December 2005, India has 24205 members against Region's strength of 62533 (39%) and 13101 student members as against Region's 20843 (63%). As far as student branches are concerned, India is almost dominating with 328 (75% of Region 10) student branches out of 441 in the Region 10 and 1445 world-wide which is nearly 23% of the total world wide. During the year 2005, 62 new student branches were added to region 10, out of which India's contribution was 54 and 8 by rest of the Sections of Region 10. International Institute of Technology, Pune started IEEE student branch in October 2003 with 18 students with Dr. Choudhry as Counselor. Branch grew to 112 in December 2004, 392 in December 2005 and to 792 in January 2006 (400 members enrolled in just one month) and became Top Branch (#1) in the whole IEEE. Congratulations to Dr. Choudhry.

Next A&A meeting is scheduled to be held at Bangalore on 6th April 2006 and all Section Chairs are requested to nominate as many members as possible for elevation to senior members. The criterion is ten (10) years professional experience out of which 5 years should be of significant performance. A cursory review reveals that most of our members have average professional experience of +25 years.

The next Regional committee Meeting is being held at Chiang Mai, Thailand on 26th & 27th March 2006 and significant deliberations will be reported in next issue. If you have any suggestions, please write to me.

With warm regards,

Delhi
01 March '06

Rajendra K. Asthana
Chairman - IEEE India Council
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Words of Wisdom

'I murmured because I had no shoes, until I met a man who had no feet'
Persian Proverb

Editor Writes....

Friends...

Here is the true story of a senior executive who was the second in line in a major branch of a leading organisation. He was under severe pressure, with the branch head driving him crazy almost on every issue. The situation reached the breaking point and he finally decided to call it a day. While he was waiting for his relieving orders, the news that leaked out happened to be disturbing to him - that his trouble-making boss himself has resigned! Within days, the boss left the scene and he also received his final papers shortly. While walking out of the office on the final day, he painfully looked at the empty chair his menacing head has just vacated, as he could have easily elevated himself to that position, had he acted smartly with some foresight!

We may call it ill-luck or anything else, but the fact remains that the decision was hasty and lacked an in-depth assessment from all angles.

It is not enough for one to be just concentrating on the work and work alone! Time will have to be spent on taking-in signals from the surroundings. These can be in the form of feelers from people at various levels - peers, higher-ups and people below - in the organisation. It is always necessary to be in the know of things - turn of events likely to affect our job, health of the organisation, business trends, disruptive technologies in the horizon etc.

If our friend were alert, smartly monitoring all the happenings, including anticipating the movement of key personnel, the situation could have been averted. But, quite often, we all fall victims to such situations, in spite of being very alert.

No explanations for that!



Trivandrum
01 March '06

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Editor
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IEEE NEWS & EVENTS

IEEE Delhi Section Student Activities standing committee

Invitation for attending the IEEE All India Student Congress (AISC) 2006
to be held on 29th & 30th June 2006 in Delhi.

IEEE Delhi section is planning to organize the annual IEEE All India Student Congress 2006 (AISC), wherein, the student members from various IEEE student branches across the country are once again coming together to exchange their views and experiences by participating in a series of interactive sessions and workshops conducted by professionals from eclectic backgrounds. The AISC is an annual feature initiated by the IEEE India council.

The Student Congress is going to be held on 29th and 30th June 2006 at the Delhi College of Engineering, Delhi, organized by the Delhi section. 6 student branches of the Delhi section are actively involved in the organization of this event.

Every student branch is requested to send up to 5 student representatives for attending the AISC 2006, the registration will be on a first come first served basis, with a maximum of 100 delegates from across the country.

For information regarding registration and other details please visit.
(<http://www.aisc2006.com>)

AISC 2006 information: ritika.subhash@gmail.com

AISC 2006 Formal events: cherry@ieee.org

IEEE Delhi section SAC Chair: Dr. Mini S. Thomas,
mini@ieee.org

IEEE Spectrum Career Accelerator Forum

This online forum, which is free, will offer advice on such topics as going for an advanced degree, staying ahead in one's field, landing the dream job, and switching careers. Participants will also be able to ask questions to an expert panel from the convenience of one's own desk at home.

For more information, as well as a list of panelists, visit:

<http://www.spectrum.ieee.org/caf>

To sign up for the forum, go to <http://www.spectrum.ieee.org/caforum>

The Power Within

Imagine that your thoughts are like drops of water. One thought or one drop of water does not mean very much. As you repeat thoughts over and over, you first notice a stain on the carpet, then there is a little puddle, then a pond, and as these thoughts continue, they can become a lake, and finally an ocean.

What kind of ocean are you creating? One that is polluted and toxic and unfit to swim in, or one that is crystal clear and blue and invites you to enjoy its refreshing waters?

Remember, how often have you refused to think a positive thought? You just have to tell your mind that that is what you are going to do. You have to make up your mind to stop thinking negatively.

I'm not saying that you have to fight your thoughts when you want to change things. Tell yourself that you are not going to buy into the negativity anymore. You want to create another way of thinking.

Again, you don't have to fight your thoughts. Acknowledge and go beyond them. Don't drown in a sea of your own negativity, when you can float on the ocean of life.

You are meant to be a wonderful, loving expression of life. Life is waiting for you to open up to it - to feel worthy of the good it holds for you. The wisdom and intelligence of the Universe is yours to use

Life is here to support you. Trust the 'Power Within You' to be there for you.

- Louise Hay

Technology Snippets

European Satellite Navigation System - GALILEO

The necessity to ascertain one's precise position in space and time in a reliable manner is increasingly becoming important, day by day. In a few years time, this will be possible with the GALILEO satellite radio navigation system, an initiative launched by the European Union and the European Space Agency. This worldwide system will be an advanced version of the current GPS system, implemented by America.

Europe's Galileo program is led by the European Union and the European Space Agency, with the heavy involvement of Germany-based consortium Galileo Industries. The Galileo project also receives financial support from a number of non-European nations, including China, India and Israel. In December 2005, in Kazakhstan the EU successfully launched its first satellite. Named "Giove A," the small satellite was the first of "what will eventually become a constellation of 30 satellites encircling the globe. Many believe this signifies the beginning of the race for space between Europe and America.

GALILEO is based on a constellation of 30 satellites and ground stations providing information concerning the positioning of users in many sectors such as transport (vehicle location, route searching, speed control, guidance systems, etc.), social services (e.g. aid for the disabled or elderly), the justice system and customs services (location of suspects, border controls), public works (geographical information systems), search and rescue systems, or leisure (direction-finding at sea or in the mountains, etc.)

Satellite radio navigation is based on the emission from satellites of signals indicating the time extremely precisely. This enables any individual to determine his or her position or the location of any moving or stationary object (e.g. a vehicle, a ship, or a herd of cattle, etc.) to within one metre thanks to a small cheap individual receiver.

The operating principle is simple: the satellites in the constellation are fitted with an atomic clock measuring time very accurately. The satellites emit personalised signals indicating the precise time the signal leaves the satellite. The ground receiver, incorporated for example into a mobile phone, has in its memory the precise details of the orbits of all the satellites in the constellation. By reading the incoming signal, it can thus recognise the particular satellite, determine the time taken by the signal to arrive and calculate the distance from the satellite. Once the ground receiver receives the signals from at least four satellites simultaneously, it can calculate the exact position

GALILEO will offer everybody everywhere satellite positioning services with guaranteed reliability. Individuals, companies and administrations will all be able to benefit, whether on the roads, railways, in the skies or at sea: hikers will be able to find their way, and tourists will be able to find the museum or restaurant they are looking for, and taxi drivers will arrive at the right destination. In addition, many professional applications will also be available.

NEWS SNIPPETS

Software Exports - Karnataka 2005-'06

India's software exports during 2005-'06 is estimated to touch US\$ 23 billion. (One billion US\$ = Rs 4400 crores, approx.). Of this, Karnataka accounts for nearly 34 %, with Rs 37,800 crores (US\$ 8.5 billion) as its share of exports, from the 1600 IT companies in the state. It retains the top position among all states in software exports.

Diesel Passenger Cars

In 1977, the diesel cars had a share of 20 percent in Europe. In 2000, it became 30 % and in 2002 it had already reached 40 percent. This figure for 2005 is to touch 50%.

Modbus Conformance Test Lab

Modbus protocol suite is now well accepted all over the world as standards for industrial automation devices to communicate with each other. Modbus IDA, the organization behind this protocol, has joined hands with Instrumentation Technology and Economy Institute (ITEI) to open the ITEI's Modbus Conformance Test Laboratory. The lab will test and certify automation devices that conform to the Modbus TCP/IP or Modbus-over-serial-line specifications.

Ref: www.modbus-ida.org, www.itei.cn

FORM IV

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I, N. T. Nair, hereby declare that the particulars given above are true to the best of my knowledge and belief.

(S/d)

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Signature of Publisher

Quotes

- ❖ 'All great calamities on land and sea have been traced to inspectors who did not inspect.'
- **Kin Hubbard**
- ❖ 'The manner in which it is given is worth more than the gift' - Pierre Corneille
- ❖ 'Integrity without knowledge is weak and useless, and knowledge without integrity is dangerous and dreadful'
- **Samuel Johnson**
- ❖ 'In creativity research, the "aha!" moment is referred to as three Bs-- the bathtub, the bed and the bus places where ideas have famously and suddenly emerged'
- ❖ 'A mathematician is a machine for turning coffee into theorems'
- ❖ Never stop reaching for more
Do more than exist - live
Do more than touch - feel
Do more than look - observe
Do more than read - absorb
Do more than hear- listen
Do more than listen- understand
- **John H. Rhoades.**

Editorial Board

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