Region 10 News

Institute of Electrical and Electronics Engineers

Leadership at the Helm:
Region 10 Director
Dr. Low Teck Seng

My best wishes to all of you for a happy and prosperous New Year.

The IEEE in the 21st century faces many exciting challenges and opportunities. As the world's premier professional and learned society in electrical, electronics and computer engineering, we are aptly placed to play a lead in an era that will be driven by computers and communications. Region 10 has the opportunity to be a key participant in this internet era. We are in the fastest developing region in the world, economically as well as in terms of membership growth within the IEEE. This is hardly surprising as Region 10

comprises some of the world's leading economies and is the manufacturing powerhouse of the world. We are also major technology contributors. Region 10 is very diverse but we are characterized but continued rapid development. Infrastructure development, especially in power resources and communications are aspects that will be cornerstone of technical and industrial activities in our Region. This is another major thrust.

The global shift in emphasis to knowledge economies and the recognition of the importance of intellectual capital,

Delhi Section Wins IEEE R10 Distinguish Section Award

The winner of the IEEE R10 Distinguish Section Award in 1999 is Delhi Section in recognition to the outstanding achievement in the membership growth and technical programs organised in the year.

A certificate would be presented to Delhi Section Chairman in the coming Singapore R10 Committee Meeting. R10 would also sponsor an addition delegate from Delhi Section to attend the Meeting.

The winner of the IEEE R10 Outstanding

Volunteer Award is Fasih Ahmed Masood of Karachi Section in recognition to his excellent contribution in the membership development work and service to Karachi Section in 1999 to 2000.

A certificate would be presented to Fasih Ahmed Masood in the TENCON 2001 conference dinner with his travelling expenses sponsor by R10.

Congratulations to Delhi Section and Fasih Ahmed Masood!

Leadership and Project Management: Dual Force

Increasingly, engineers are being asked to take a more active role in the leadership of their companies. Whether this be as Project Leader, Engineering Manager or Vice President, leadership and project management skills are no longer optional but a required skillset that employers already assume you have. But what is leadership? And how do I manage a project?

Well, help is at hand. On January 20-21, two Region 10 ExCom members were asked to attend the IEEE Train The Trainers session held in Atlanta, Georgia to become trainers for a Leadership and Project Management courses.

The Leadership module focuses on training professionals and students alike in effective communication, leadership attributes, conflict management, negotiation and other areas crucial to becoming an effective leader.

The project management module focuses on key project management skills, scheduling, work break down structures, cost and resource management.

These two trainers are available to all Region 10 Sections to give these training sessions to your ExCom, students or workshop conference. Both modules are 1 day in length. Please contact Loreen Ozolins: arapaho@singnet.com.sg for Leadership or Anoop: a.anoop@ieee.org for Project Management

Trainers Anoop and Ozolins.

Did you know...

- *Region 10 is home to over 55,000 of the 366,135 members in IEEE*

R10 Distinguish Section Award Presentation

Web Learning: Educational Partnership with UW

27 February 2001. PISCATAWAY, NJ.

The IEEE is pleased to announce a new educational partnership with the University of Washington (UW), USA.

The UW has been ranked in the top ten in many technical departments including Computer Science and Engineering and overall has been ranked as one of the top 50 universities in the United States.

This partnership is designed to provide maximum flexibility for IEEE members. UW courses can be taken individually or as part of a degree program, for college credit or on a non-credit basis, in the classroom at UW or through distance learning, through the web or by CD ROM or video.

Selected classes range from engineering courses to business management, from programming certificates to coursework about web essentials. At present there are 6 masters degrees as well as 13 certificate programs offered, with more being added each semester. Systems requirements are listed within each course description.

To view the full IEEE selected course catalog and further information about these UW programs, go to, www.ieee.org/eab/PDI/uw/index.htm.
Registration for these courses must be through the IEEE PDI website, to receive your 10% membership discount. For further information contact Alan Trembly, Manager, Technical & Electronic Product Development, at a.trembly@ieee.org or USA +1-732-562-5488.

Delhi Section Takes Top Award (continued from Front Page)

The 2001 R10 Outstanding Volunteer Award would be called in September with nomination deadline scheduled on 30 November 2001.

There are a number of Regional Activities Board Awards with nomination deadlines by March 15. Please visit the HQ web page www.IEEE.Org for details and submit your nomination.

Y.W. Liu is a member of the RAB Award and Recognition Committee. Therefore, please feel free to contact Y.W. Liu if you need more information on the RAB Awards at ywliu@eee.hku.hk

INDIA Offers New Service to Students & GOLD Members

The IEEE Computer Society Chapter of India Council is developing the special site url = http://www.ieeevidyarthi.org to cater to the needs of the student members and the GOLD members in India. The site will contain information about the Student Branches and about the institutions, where the Branches are located.

It will also contain the Resumes for the student members, who are in their final year and also the resumes of GOLD group members. Currently, the IEEE - USA Activities Board is the only other unit of IEEE which has a web-site containing the resumes of its members.

Many US based multi-national companies and United Nations organizations take advantage of the USAB site to locate good engineers.

There are not many MNCs or United Nations organisations with their headquarters in India. However it is by now well-known that the Indian education system is able to come up with brilliant and well-trained young engineers.

IEEE India Section/Council Leaders.

Today most of the larger MNCs from USA have started sending their recruitment teams to Indian Educational institutions. However the multi-country corporations of Asia-pacific region have not yet started taking advantage of the Indian educational institutions in a big way.

IEEE student members constitute the best group out of all the final year students in India. It is because this membership provides undoubtedly the best vehicle for keeping one informed about the developments in their fields.

The Student Branches in India will cooperate in creating and maintaining the site so that companies in the Asia-Pacific region will be able to take advantage of the site for getting the young engineers, they may need.

You may visit the proto-type site which has been created and you may please offer suggestions so that the site may be organized well.

India Hosts Student Conference

IEEE has 160 Student Branches in India. IEEE India Council organized the first All India Students Congress in July 2000 in Chennai.

The Students Congress was designed to train the student leadership in IEEE policies and procedures so that the Branches can be run properly. The Council reviewed the Congress at its September meeting. It was felt that the event had proved to be highly useful.

However since the student leadership changes every year, it was felt that the Student Congress should become an annual event. Accordingly the second All India Student Congress is being hosted at Mumbai by the IEEE VESIT Student Branch from March 6-9, 2001.

India Council, through the regional newsletter, extends a cordial invitation to the Regional Office-bearers, the Regional Student Representative, the Section Chairmen, the Officers responsible for Student Activities at every Section and the Counselor's & Chairmen of every Student Branch in the region to participate in the Congress in India.

Please visit the following site for a detailed program of the Congress: http://hammer.prohosting.com/~ieeeves/

IEEE Releases Two New Self Study Courses

'Practical Communication Antennas with Wireless Applications'

Piscataway, NJ. 26 February 2001. 'Practical Communication Antennas with Wireless Applications', an IEEE self-study course, is now available from the IEEE. Solve your thorniest wireless antenna problems ? without knowing advanced theories and mathematics.

Leo Setian, Ph.D. has developed this practical course for technicians, engineers and managers. They will be guided through installation, maintenance and optimization of wireless antennas. The course introduces all the basic mathematics needed to work with antennas, including complex numbers and phasors.

The course introduces the broad topics of antennas, communications, transmission lines and radiation. By the end of the course students will be able to understand and model all three passive elements in an antenna circuit: resistors, capacitors and inductors.

Walk through each critical element of antenna performance, including:

* Antenna impedance parameters
* Bandwidth and transformer-related issues
* Radiation resistance,
* Electrical wavelengths
* Antenna patterns
* Polarization
* Wave propagation

The course includes study guide, final exam, and the textbook, Practical Communication Antennas with Wireless Applications, by Dr. Setian published by Prentice Hall. Upon successful completion of the exam, students are eligible to receive eight (8) IEEE Continuing Education Units (CEUs).

Leo Setian is a Professor of Electrical Engineering at John Brown University in Siloam Springs, Arkansas, and a consultant to Galtronics, a leading antenna manufacturing company based in Tiberias, Israel.

To order use code HL5760, IEEE member price: $380.00; list price: $455.00. IEEE Customer Service Department, 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331, USA; e-mail: customer-service@ieee.org; phone: +1 800 678 4333 (USA and Canada), +1 732 981 0060 (worldwide); Web: http://shop.ieee.org/store.

Did you know…

* *The Region 10 meeting had representation from 15 different countries*

'Multimedia Applications Support for Wireless ATM Networks'

Multimedia Applications Support for Wireless ATM Networks, an IEEE self-study course, is now available from the IEEE. Networks carrying multimedia, voice, data, and video traffic define the modern network architecture.
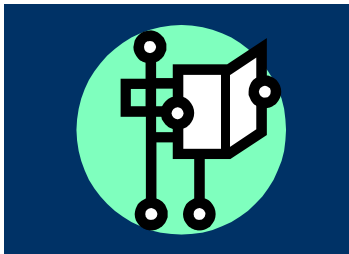
Dr. Anna Hac developed this course to teach the design of high-speed wireless networks supporting multimedia applications by focusing on real-world applications and traffic patterns.

Topics covered include:

* ATM and Wireless Networks and their Architecture
* Congestion control and protocols
* Location and tracking strategies
* Routing and resource management for multimedia applications
* Synchronization
* Multicasting
* Quality of Service (QoS) for multimedia applications

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Contact IEEE APO for any of your IEEE needs!

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www.ewh.ieee.org/reg/10

Leadership From The Helm: Dr. Low Teck Seng
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also hold many exciting prospects for all our members. Universities will have enhanced roles in national development and the value-add of our members to industry and economic growth will increase.

The IEEE with its depth and breadth of technology coverage, as an information and knowledge repository and membership for networking, can be a tremendous resource. This provides us in Region 10 a unique opportunity to work together for continued vibrancy in the year ahead.

The Region 10 committee for 2001 has been formed and we are looking forward to working with the volunteers in the Region, our colleagues in the societies and other entities of the IEEE to make 2001 a fruitful year.

Wireless ATM Networks (Continued from Page 4)

The course includes a study guide, final examination (in both paper and online formats), and the text: Multimedia Applications Support for Wireless ATM Networks, by Dr. Hac, published by Prentice Hall. Upon successful completion of the exam, students are eligible to receive eight (8) IEEE Continuing Education Units (CEUs).

Anna Hac received the M.S. and Ph.D. degrees in computer science from the Department of Electronics, Warsaw University of Technology, Poland. She is currently a Professor in the Department of Electrical Engineering, University of Hawaii at Manoa, Honolulu, USA. Her research contributions include system and workload modeling, performance analysis, reliability, modeling process synchronization mechanisms for distributed systems, distributed algorithms, congestion control in high-speed networks, reliable software architecture for switching systems, telecommunications and wireless networks, and network management.

To order use code HL5766, IEEE member price: $420.00; list price: $495.00. IEEE Customer Service Department, 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331, USA; e-mail: customer-service@ieee.org; phone: +1 800 678 4333 (USA and Canada), +1 732 981 0060 (worldwide); Web: http://shop.ieee.org/store.

For a complete listing of educational products see www.ieee.org/organizations/eab/cathome.htm.

2001 Region 10 Executive Committee

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