



IEEE REGION 10 NEWSLETTER DECEMBER 2002

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2002 - The Year In Review Region 10 Director 2001/2002 Dr Teck Seng Low

IEEE in region 10 continues to be active, our growth though not as exciting as in the past, is on the upward trend. This is a reflection of the difficult economic

situation in the whole of region 10. The political upheavals were not helpful too. Nevertheless with the expansion of technical education, the globalisation of corporations and the pervasive application of technologies, in particular electro technology, the value of the IEEE to professionals, scientists and academics is held at the highest level. The student membership in region 10 is at an all time high and the number of student branches being set up is at more than 1 per month. These achievements are a credit to the volunteers in all our sections and chapters.

I am pleased to report that the region 10 operations manual that we set out to compile is almost completed. This will be completed for use by the incoming Director in 2003.

The executive committee also set out to develop a strategic plan for the region. The first stages were developed at an Excom meeting in Cairns, Australia in December 2001. At that meeting projects were identified to help with reaching strategic outcomes.

We were fortunate to have Director Desmond from region 7 and Past President Eisenstein to lead the

breakout discussion groups. The plan was presented at the region 10 and further refined at the region 10 meeting in Bangkok. There is a lot of work to be done in prioritization, developing metrics for evaluating the success of each project and the allocation of resources.

We have noted the success that region 10 has with student membership and our student branches. However, we have also noted that many of the student branches have membership of 5 or less. An ad-hoc committee chaired by Hiro Haneda has looked at the problem and helped the region resolve this situation. The committee has also looked at the problem of retention of student members upon graduation.

Student Activities Committee

SAC chair Marzuki bin Khalid and student representative Helene Fung have been working to keep student activities in the Region on the priority list of the Executive Committee. All programs have been on schedule and further activities are being investigated and proposed.

The Student Branch of the National University of Singapore has also organized a successful Student Congress. This was based on similar successful Congress organized within region 8 (Europe). It was a resounding success and supported by the IEEE Foundation, NUS and NTU Universities, Industry in particular - Cisco Systems and IEEE Region 10, Singapore section and chapters.

Newsletter

In 2001 we launched a region e-newsletter. The start up effort is always difficult. The long-term goal is still to provide 3 -4 issues annually and this is the current challenge for Harry McDonald.

Membership Development

Under Hiro Haneda's chairmanship we are beginning to clearly understand a number of worrying issues - retention, student branches with very few members and growth. Our growth had been fueled primarily by growth in student membership. This is very good. However we would also like to grow our higher-grade members. We must strive to develop a quality membership. A quality member puts into the IEEE as much as he takes out. You will note the special attention given to recently elected Fellows elsewhere in the newsletter.

Awards

Awards chair Liu has attended several awards board meetings. He has been encouraging all sections to institute their own awards programme.

In Singapore the joint Institute of Engineers, Singapore and IEEE, award for engineering excellence has been launched. Awarded to Prof. Su Guaning - CEO Defence Science Technology Agency, Singapore (Prof. Su will be the President of Nanyang Technological University from 1 January 2003). The award was presented at the Institute of Engineers, Singapore's annual dinner on 15th November.

Conferences

There is always good Region 10 good oversight and TENCON is always successful. Dr Janina Mazierska continues to shine in this area. TENCON 2001 - a 5* success, TENCON 2003 - we expect it to be equally successful, TENCON 2004 - in very good hands, TENCON 2005 - will do us proud

The committee chairs for the Region have all worked hard and I thank them for their efforts.

Despite the gloomy financial aspects many of the new IEEE programmes are generally going well. These include e-publications, Digital Library, Virtual Community and IEEE Xplore. There are continuous efforts to streamline bylaws to make it easier for organizational units to operate. The search for organizational effectiveness continues and President Findlay has used an ad-hoc committee during 2002 to advance this.

I thank all of the IEEE people who have supported me over the past two years for their great team effort. I wish all IEEE members in the region, their friends and families a most joyful Xmas and prosperous year in 2003.

Dr Teck Seng Low, Region 10 Director 2001-2002

TRIBUTE TO IEEE REGION 10 FELLOWS 2003

Hong Kong Section

Prof. Khaled Ben Letaief
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Hong Kong,
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for contributions to the analysis, design, and performance evaluation of high-speed wireless communication systems.

Dr. Paul Kim-Ho Chu
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Department of Physics & Materials Science
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for contributions to the understanding of plasma implantation and deposition.

Prof. Shu Yuen Hui
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Department of Electronic Engineering
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for contributions to power electronic circuits and modeling techniques.

Prof. Hoi-Sing Kwok
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for pioneering research in liquid crystal display technology.

Dr. Kwai-Man Luk
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for contributions to the development of wideband microstrip patch antennas and dielectric resonator antennas.

Prof. Tung Sang Ng
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for contributions to signal processing techniques in spread spectrum communications.

Prof. Yangsheng Xu
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for contributions to the design and control of space robot and dynamically stabilized systems.

Dr. Raymond W. Yeung
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for contributions to network coding theory.

Taipei Section

Dr. Burn Jeng Lin
TSMC, Inc.
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for contributions to lithography theory, tooling, masks, and fabrication technology.

Dr. Yi-Bing Lin
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for contributions to the design and modeling of mobile telecommunications networks and leadership in personal communications services education.

Seoul Section

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for contributions to the design, analysis, and implementation of high performance power conversion systems and for leadership in power electronics education.

Dr. Kinam Kim
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Semiconductor Business
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for contributions the development of high-density dynamic random access memory.

Prof. El-Hang Lee
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for contributions to optical devices for communication.

Prof. Wooil Matthew Moon
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for contributions to theoretical geodynamics for earth system observation.

Singapore Section

Dr. Tat Soon Yeo
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for contributions to scattering and synthetic aperture radar.

Beijing Section

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for contributions to the development of the full-wave discrete complex image method and modified matched layer absorbing boundary conditions.

Prof. Qiang Lu
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for contributions to optimal control theory applications in power systems.

Prof. Fu Qing Yang
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for leadership in software research and practice.

Xian Subsection

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for contributions to electrical discharges in electronegative gas mixtures.

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for contributions to power electronics education and research.

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*for contributions to modeling and data processing
for biomedical and multimedia applications.*

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*for contributions to photonic signal processing of
microwave signals.*

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*for contributions to the theory and applications of
channel coding.*

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*for contributions to target tracking, industrial
control, and signal processing.*

Queensland Section

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*for contributions to the modeling, design, and testing
of microwave guiding and radiating structures.*

South Australia Section

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*for contributions to stabilizer analysis and tuning for
power systems.*

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*for contributions to the design of high gain planar
waveguide arrays.*

Dr. Yasuhiro Ando
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for contributions to optical connector technologies.

Dr. Teruaki Aoki
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*for leadership in consumer electronics and
contributions to semiconductor technology.*

Prof. Tadashi Fujino
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*for contributions to modulation and demodulation
techniques for digital radio communications.*

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for contributions to the research and development of modeling, analysis, and optimization methods for large-scale systems.

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for contributions to fiber optic gyroscopes and distributed fiber optic sensors.

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for contributions to RF power generation using MOS field effect transistors and leadership in the development of RF power technologies.

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for contributions to and leadership in the development of international digital network standards.

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for contributions to human-machine systems for computerized power-plant automation.

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for contributions to the theory of finitary information systems.

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for contributions to video compression technologies based on motion compensation and for the development of digital television transmission equipment and systems.

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for contributions to the development of microwave and radio frequency devices.

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for contributions and leadership in research and development of high-density magnetic storage technology.

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for contributions to the development of error-correction receivers and their applications to wireless communication terminals.

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for contributions to speech compression and audio coding technologies and their standardization.

Dr. Wataru Nakayama
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for contributions to thermal science and engineering for electronic packaging.

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for contributions to the theory and design of digital signal processing.

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for contributions to optical fiber technologies and wavelength-division-multiplexed communications.

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for contributions to the modeling and design of high speed VLSI circuits.

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for contributions to digital signal processing technology in HDTV systems.

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for contributions to digital signal processing and its application to the communication industry, and leadership in broadband telecommunications.

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for contributions to digital broadcasting systems.

Sapporo Section

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for contributions to the development of small antennas and their applications.

Dr. Masanori Koshiba
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for contributions to the modeling of optical wave propagation in photonics devices.

Sendai Section

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*for contributions to pipelined computer architecture
and computer engineering education.*

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*for contributions and leadership in semiconductor
engineering.*

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for pioneering contributions to speech processing.

Kansai Section

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*for contributions to optical fiber communications,
radio-on-fiber communications, and photonic
networks.*

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*for contributions to the understanding of waves in
nonlinear plasmas and microwave power
transmission.*

Kansai Section continued

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*for contributions to Silicon Carbide epitaxial growth
technology and transistors.*

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*for leadership in the development of advanced
CMOS devices and process technologies.*

Prof. Shunsuke Uemura
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*for contributions to research and education of
database engineering.*

In summary the total number of IEEE Fellows elected in Region 10

Hong Kong	8
Taipei	2
Seoul	4
Singapore	1
Beijing	3
Xian	1
Uttar Pradesh	1
NSW	3
Victorian	1
Queensland	1
South Australia	1
Tokyo	23
Sapporo	2
Sendau	2
Nagoya	1
Kansai	5
Grand Total	59

Call for Fellow Nominations Deadline March 15, 2003

The Fellow nomination process is relatively straightforward but requires some forethought and planning preceding the March 15, 2003 deadline. Both a nominator and five references from current Fellows are required.

How to Become an IEEE Fellow

The grade of Fellow recognizes unusual distinction in the profession and shall be conferred only by invitation of the Board of Directors upon a person of outstanding and extraordinary qualifications and experience in IEEE-designated fields, and who has made important individual contributions to one or more of these fields. The year of election to the grade of Fellow is the year following affirmative action by the Board of Directors in conferring the grade of Fellow.

The candidate shall hold Senior Member grade at the time the nomination is submitted.

Normally, the candidate shall have been a member in any grade for a period of five years or more preceding January 1 of the year of election. The five-year membership requirement may be waived for a Fellow candidate who has been engaged in professional practice (as needed to qualify for Senior Member grade) in a geographical area where, in the judgment of the Board of Directors, it was difficult to become a member previously. The absence of a Section previously and the recent formation of a new Section to cover that geographical area would evidence this. In such cases, membership of five years or more in a recognized local electrical, electronics, or computer engineering society may substitute for the five-year IEEE membership requirement, (when the nomination is submitted within four years after the formation of the new Section.)

The IEEE Fellow Committee reviews the candidates according to the following criteria

- Significant contributions as an engineer-scientist, technical leader or educator.
- Evaluation by the Society/Council selected by the Nominator.
- Confidential opinions of References
- Service within the IEEE and/or other professional engineering societies
- Total years in the profession.

Fellow kits can be requested in hard copy format or downloaded from the Web. www.ieee.org/fellows/.

Fax: (732) 981-9019 Email: fellow-kit@ieee.org

IEEE SECTIONS CONGRESS 2002 REGION 10 CAUCUS RECOMMENDATIONS

An important feature of Section's Congress is the direction setting that is formulated for IEEE and is to be addressed in the following three years. These collective views filter up from grass roots membership and all sections rank the tabled actions during the final stages of SC2002.

The ranking determines the priority for action by IEEE and it was impressive to note that the main recommended actions formulated by Region 10 were well supported by IEEE sections generally. The second and third ranked proposals were from region 10 and focused on improvements of the IEEE relationship with students and industry.

For a full coverage of SC 2002 recommendations please visit the SC web page at <http://www.ieee.org/organizations/rab/sc/2002/>

R10 RECOMMENDED ACTIONS: (IEEE SC caucus rank # is also indicated)

1. IEEE should review the student membership dues structure taking into account regional economic differences to reverse the adverse effects in student membership growth and retention resulting from the recent steep dues increase. (SC 2002 #2)
2. IEEE should modify and extend the existing Financial Advantage, Professional Development & Lifelong Learning Programs for use globally in order to increase the value of membership to all members. (SC2002 #17)
3. Chapters should be jointly accountable to Sections and Societies in order to enhance section-chapter relationship. (SC2002 #36)
4. IEEE should develop industry-focused programs and incentives to attract wider participation and support from industry (SC2002 #3)

Dr Seiichi Takeuchi - IEEE Region 10 Director Elect 2003/2004

Congratulations to Tokyo Section's Dr Seiichi Takeuchi who takes on the role of Region 10 Director Elect 2003/2004. The other unsuccessful candidates this time around were Prof HP Kincha and Dr Marzuki bin Khalid



Vision and Plans for the Region 10 in 2003

Dr Jung Uck Seo (FIEEE), Region 10 Director 2003/2004 address to Region 10 Committee during Sections' Congress 2002 in Washington DC.

Distinguished members and families, it is a great pleasure and an honor for me to have an opportunity to serve the Region 10 and work with all of you. The transnational society, our IEEE has a vision to advance global prosperity by fostering technological innovation, enabling members' careers and promoting community worldwide. It has a noble obligation to create, develop, integrate, share and apply knowledge and skills in science and engineering in the fields of electricity, electronics, computers and communications in support of humanity and the profession.



The Region 10 or Asia and the Pacific Region has 4 Councils, 44 Sections, 4 Sub-sections, 211 Chapters and 245 student branches. It covers a geographical area from Korea and Japan in the north-east to New Zealand in the south, and Pakistan in the west. With a membership of about 55,000 from 16 countries in Asia and the Pacific, our Region is the largest one outside of the U.S., and is one of the fastest growing Regions in the IEEE.

The Region 10 has also the greatest diversity in cultures and the fastest growth in economies in the world. However, it is particular about the language barrier and digital divide between countries. Thus we are responsible not only for developing individual excellence but also for sharing opportunities for institutional activities, continuing education and career development with fellow members in the Region. The Region 10 is also to share its achievements with other Regions worldwide.

Let us enhance the value of the IEEE membership through workshops, conferences and publications; promote intra-regional collaborations between Councils, Sections, Chapters and Student Branches; innovate Internet usage to activate communications among members; carry the voice of regional membership to the IEEE leadership; reach out to non-members to join our goals; practice the ethical standards of the IEEE in our daily service; and serve local communities to improve our image to general public.

Thanks to Dr. Low's leadership and initiatives, the Region 10 accomplished a great deal of achievement during 2001 and 2002. He dedicated his time and effort to develop the Region 10 Operational Manual, facilitate a strategic plan for the Region 10 with the help of Section leadership, brought greater communication between our Region and the Technical Activities Board through the TAB Colloquia visit to Asia and the Pacific area, achieved the first Region 10 Student Congress, facilitated a joint award program between Singapore Section and the Institute of Engineers, Singapore, and organized ad-hoc committees to resolve region issues like inactive student branches, membership retention.

Having genuine support of the distinguished members in our Region, I am looking forward to working with the volunteers, colleagues in the societies and other entities of the IEEE to keep our Region 10 vibrant and productive in the year ahead.

Let us make the year 2003, vibrant and productive one. In 2003, the Region 10 will have ExCom Meeting in January in Seoul, Korea, Annual Meeting in April in Penang, Malaysia and TENCON 2003 in October in Bangalore, India.

Distinguished members and families, your engagement counts, and I'll count on your participation and cooperation. Thank you very much.

Dr Jung Uck Seo, Region 10 Director 2003/2004

**IEEE REGION 10
Student Paper Contests 2001 - Results
presented in 2002**

POSTGRADUATE PAPER CONTEST WINNERS:

1st Prize: US\$300.00 (+ certificate) +US\$1000
(Travel grant)
Mr. Tay Yong Haur (Malaysia)
“An Offline Cursive Handwritten Recogn
System”

2nd Prize: US\$200.00 (+ certificate)
Mr. Feng Rice (Australia)
Co-authors: Bill Cowley and Mark Rice
“Cramér-Rao Lower Bounds for QAM
Phase and Frequency Estimation”

3rd Prize: US\$150.00 (+ certificate)
Mr. Anthony H. W. Choi (Singapore)
“Plasma Induced damage to n-type GaN”

**UNDERGRADUATE PAPER CONTEST
WINNERS:**

1st Prize: US\$250.00 (+ certificate)
Suk Hak Lam (Hong Kong)
“Demosaic: Color Filter Array
Interpolation for Digital Cameras”

2nd Prize: US\$150.00 (+ certificate)
Soh Chew Beng (Singapore)
“Determination of minority and majority
carrier traps in GaN by DLTS (using
Isothermal technique)”

3rd Prize: US\$100.00 (+ certificate)
K. F. Chan (Hong Kong)
Co-authors: Y. T. Wong and P.Y. Wong
“Multiresolution Mesh Representation
using Vertex Cluster Representation”

**IEEE 2002 Student Branch Web Site
Contest**

"The winners of the 2002 Student Branch
Web Site Contest were;

- Boston University, United States
(first place),
- the Student Branch of Padova
University, Italy (second place),
- Universidad Distrital Francisco Jose
de Caldas, Columbia (third place).

The contest recognizes outstanding IEEE
Student Branch web pages that convey
the IEEE message in a concise and
creative manner.

Other criteria include ease of loading the
page, navigability and overall
presentation.

Runners-up **included Curtin IEEE
Student Branch in Australia,**

University of California-Berkeley IEEE
Student Branch, DeVry Institute of
Technology at Calgary IEEE Student
Branch, Southern Illinois University-
Carbondale, Rowan University, Grand
Valley State University and the
University of Southern California.

For contest rules and information on how
your IEEE Student Branch can
participate, visit:

www.ieee.org/membership/students/programs/websitecontest.html

Visit the winning Student Branch Web
site at Boston University:

people.bu.edu/ieee/ "

IEEE REGION 10 STUDENT PAPER CONTEST 2003

DEADLINE: revised to 28th February 2003

The IEEE Region 10 conducts two student paper contests (SPC's) every year, one for the Postgraduate and the other for the Undergraduate IEEE Student Members in the Region. The papers for the SPC's are selected from tiered contests conducted by the Region 10 IEEE Sections.

CONTEST 1 (Post Graduate Student Paper Contest)

Open to those IEEE Student Members with basic degrees in electrical engineering, electronics, computer science or any other field of interest of an IEEE Society, who are studying for a postgraduate course. Eligibility is to be supported by a certificate from the Student Branch Counselor.

CONTEST 2 (Undergraduate Student Paper Contest)

Open to IEEE Student Members undergoing an undergraduate course in electrical engineering, electronics, computer science or allied subjects. Eligibility is to be supported by a certificate from the Student Branch Counselor.

PRIZES

Three prizes for the UG SPC and three for the PG SPC will be awarded as follows.

(1). Undergraduate Contest	(2). Postgraduate Contest
Deadline: 28th February 2003	
1 st Prize: US\$200.00 (+ certificate)	1 st Prize: USD300.00 (+ certificate) + Travel grant to attend TENCON 2003 (up to USD 1000)
2 nd Prize: US\$150.00 (+ certificate)	2 nd Prize: USD200.00 (+ certificate)
3 rd Prize: US\$100.00 (+ certificate)	3 rd Prize: USD150.00 (+ certificate)
No formal ceremony for award (prizes to individual)	No formal ceremony for award (prizes to individual)

In the case of co-authored papers, the prize money shall be divided equally among the authors.

NOTE: Please send your papers to your Section Chair or their delegate well before the deadline for vetting and to be sent to Prof. Marzuki Bin Khalid.

REGION 10 STUDENTS ACTIVITIES CHAIR

Prof. Marzuki Bin Khalid	
Director Center for Artificial Intelligence and Robotics (CAIRO)	Tel: +6-03-2691 3710/2690 4892
Universiti Teknologi Malaysia	Fax: +6-03-2697 0815
Jalan Semarak	Mobile: +6-019-384 4814
54100 Kuala Lumpur	E-mail: marzuki@utmkl.utm.my
Malaysia	Website: www.cairo.utm.my

IEEE REGION 10 STUDENT PAPER CONTEST 2003

CONTEST RULES

1. GENERAL RULES

- Open only to IEEE Student Members in the Region.
- The papers may be on any engineering subject in the field of interest of IEEE.
- The paper should be typewritten on one side only on A4 size and should not exceed 20 pages.
- Number of authors for one paper is limited to 3.

Five copies of the paper (plus an electronic copy) should be sent to your Section Chair (or the Student Activities Committee Chair of your Section before the date determined by the Section. The papers will be screened first at the Section level and four copies of the best two/three papers will be sent to Region 10 SAC Chair by February 28, 2003. Papers should be submitted to the IEEE Section Chair at least 2 weeks before this closing date or as announced by your own Section.

2. FORMAT AND ELIGIBILITY

Submissions should include:

2.1 Title Page

This page should provide [1] the title, [2] the name(s) of the author(s), [3] IEEE membership number(s), [4] address and [5] 100 words' abstract.

2.2 Eligibility Certificate

A following certificate from the Student Branch Counselor /Faculty member who is a member of IEEE should be enclosed with each paper.

"I certify that the author/authors(name/names along with the IEEE membership number(s)) is/are Student Member(s) of IEEE and is/are eligible to enter the Region 10 Postgraduate/Undergraduate Student Paper Contest".

.....(Date) (Signature)
..... (Name) (Membership No.)
IEEE Student Branch Counselor/Faculty member

2.3 Self Declaration

A declaration by the author/authors that "I/We declare that this paper has been completely compiled and prepared by me/us" should be enclosed.

2.4 Main Text of a Paper

This should provide a well-structured, clear and concise presentation of the subject matter including an introduction, the main body and the conclusion with supporting tables and figures.

- Headings and subheadings should be numbered as in any of the IEEE journals.
- Figures and Tables should be neat and tidy, consecutively numbered, captioned and contained within the text at the appropriate places.
- Equations should be consecutively numbered with the number in parenthesis, opposite the equations.
- References suitably numbered should be provided at the end with their reference numbers given within square brackets at the appropriate places in the main text.

Appendices: Detailed mathematical proofs, development of equations etc. which are subordinate to the main argument in the body of the paper, should be given in the appendices, with reference in the main text.

Region 10 Student Branch Congress 2002

The Region 10 Student Branch Congress held in Singapore on 17 July 2002 was the first Congress of this nature to be held in Region 10. The program designed and led by Darrel Chong Sau Foong and his fifteen person team (19th IEEE NUS Student Branch Management Committee). The congress went out to invite all Region 10 Student Branch Councilors and Officers. The theme for the Congress was aptly named "Building the Bridge" and all the activities were designed to emphasize that teamwork produces results.

Two (or more) Heads Are Better Than One?
A lighter side of the Student Congress (right)

Dr Wallace S. Read, a former IEEE President reviewed the congress with the following glowing commentary. He had a role to play in presenting a key note speeches on Ethics and other important IEEE messages pitched at the younger engineering profession.



"All, I have just returned from the Region 10 Student Branch Congress held in Singapore last week. I attended at the request of the Chair of the IEEE Foundation, Emerson Pugh, who was to be the Guest of Honour for the occasion and who had to decline because of other commitments.

This was the first Congress of this nature to be held in Region 10. It had the financial support of the Region, local industry support and the IEEE Foundation through a program initiated by Ted Hissey. You will recall the experiment was first tried in Region 8 in the Netherlands a year or so ago and it was a success.

The invitation to attend this congress went out to all Region 10 Student Branch Councilors and Officers. From my own personal experience in organizing "firsts" and with knowledge of the geographical spread of Region 10, the number of countries involved, the wide range of cultures and languages, frankly, I was doubtful that it could be pulled off with any large degree of success. BOY WAS I WRONG!!

The theme for the Congress was aptly named "Building the Bridge" and all the activities were designed to emphasize that teamwork produces results. Whether it was in the intense workshops or during the break-out sessions, whether it was listening to the guest speakers, or during the industry visits or when participating in the games session, the message was always "work as a team". I asked several of the delegates who in the group they knew before they arrived. The response was always none. I can guarantee you that before it was all over they were all one big happy family. I almost felt young again myself.

Honestly, I have not witnessed before the degree of excellence of organization, the enthusiasm of the student volunteers and the support of the two sponsoring universities NUS and NTU. Slightly over fifty delegates from eight different countries registered and the program designed and led by Chong Sau Foong Darrel and his fifteen person team was executed without a hitch."



Above the R10 Student Congress logo - signifying ' Building the bridge'

Below: Dr Wally Read and the majority of student congress organizing committee.



East Meets West Through New Sister Section Relationship

IEEE Boston and Tokyo Sections Sign Agreement

By Kathy Kowalenko, IEEE "The Institute" Editor

Prestigious research universities, established high-tech industries, and highly skilled workers are some of the things the IEEE Boston and Tokyo Sections share. Now they share one more—the opportunity to exchange ideas and experiences about their operations. This is possible through a Sister Section Agreement signed in October during the 2002 IEEE Sections Congress.

“The agreement provides a formal mechanism for IEEE volunteers to exchange ideas about how to serve local members, and also gives members more opportunities to benefit from their counterparts’ experiences,” says IEEE Boston Section Chair Bruce Hecht. Because both are well-known centers for electrical engineering and technology, informal relationships have existed for some time between the two Sections through members who met at conferences or attended school together.

“Tokyo University is at the pinnacle of the research academies in Japan and so is Massachusetts Institute of Technology in Cambridge in the United States,” says former Region 10 Director Teck-Seng Low, who initiated the relationship along with IEEE President-Elect Arthur Winston. “That is why I thought of the Tokyo and Boston Sections. To me, it is a very natural marriage.”

“Sections do not talk to one another, so this new agreement initiates communications between the two groups,” Low said. “They can share programs, link to one another’s Web site, or co-sponsor conferences.”

The Tokyo Section’s student members are already benefiting from the new partnership. To support that Section’s plan to find new ways to involve students, their first request was to get an update on the “hot” topics being pursued at the local universities in the Boston Section as well as information about internships, work-study programs, academic exchanges, and graduate programs.

Only one other such relationship exists. Established in May 2001, it is between India’s Delhi Section and the Washington, D.C., Capital Section in the USA. Refer to <http://www.ieee.org/organizations/rab/sc/2002/> for an excellent presentation 'Sister Sections - "Creating Global Community" Becomes a Reality'

For more information about how to establish a Sister Section contact Tracy Hawkins, IEEE Regional Activities, at t.hawkins@ieee.org.

UNIQUE IDENTITY AND TITLE SOUGHT FOR REGION 10 NEWSLETTER.

To help raise the profile of the region 10 newsletter ideas for a title can be submitted to the current editor.

The name should be distinctive and embrace engineering /science /technology and regional concepts. A simple logo or artwork can also be included and this will be integrated with the conventional IEEE banners.

Suggestions can be directed to;
Harry.mcdonald@ieee.org

A small working group can be established to adjudicate on the best suggestion and the winning entry will be acknowledged.

KERALA SECTION FORMS Women in Engineering (WIE) AFFINITY GROUP

I am happy to inform you that IEEE Kerala Section has formed a **Women in Engineering Affinity Group**.

Jyothi Ramaswamy of Tata Consultancy Services(TCS) in Technopark, Trivandrum was nominated as the chairperson WIE affinity group by the Kerala Section Executive Committee.

Let me take this opportunity to thank Ms. Fathima K A, Ms. Beena K T, Ms. Lancy Thomas, Ms. V Girija Devi, Ms L Santha, Ms. Elizabeth Thomas T all from ER & DC, Trivandrum and Ms. Meera S from Tata Consultancy Services for signing in the petition for forming this affinity Group.

The group has planned to meet and chart their activities. We can expect future reports with their plans and actions. Suggestions and guidance from others in R10 executive committee and elsewhere in region 10 may assist with planning forthcoming activities.

An activity was organised towards the end of the 2002 year.

"Women Engineers in Aerospace - A Snapshot of How they Manage their Dual Roles"

by

Valsa B. & Jayanthi V.

The Kerala WIE affinity group have added the following interpretation to our well known New Years greeting.

Hours of happy times with friends and family

Abundant time for relaxation

Prosperity

Plenty of love when you need it the most

Youthful excitement at life's simple pleasures

Nights of restful slumber (you know - don't worry be happy)

Everything you need

Wishing you love and light

Years and years of good health

Enjoyment and mirth

Angels to watch over you

Remembrances of a happy years!

~ Author Unknown

Chaparala Satish Honored with the 2002 IEEE EAB Meritorious Achievement Award in Continuing Education



Chaparala Satish has been honored with the 2002 IEEE Educational Activities Board (EAB) Meritorious Achievement Award in Continuing Education. On 15 November during the IEEE Board Series held at Itasca, Illinois USA, IEEE Vice President for EAB Lyle Feisel presented the award to Mr. Satish

"for dedicated service and sustained leadership over twenty years in planning and delivery of a large number and variety of industrially oriented continuing education programs in an IEEE Section."

Mr. Satish's activities for the past two decades demonstrate the influence one dedicated and tenacious volunteer can do at the grassroots level with very limited funds. In 1981 Mr. Satish was founder secretary of the then IEEE Hyderabad sub section, of 20 members. His goal was to provide his colleagues with a substantial continuing education program that would serve their needs, being both affordable and technologically current.

"I believe that lifelong learning is most essential for engineers," Mr. Satish said. He devoted considerable energy to arranging continuing education given by others as well as by himself. "I concentrated on continuing education through tutorials, workshops, and short courses, as these are more effective learning tools than one hour lecture meetings and the papers in conferences."

He facilitated and organized more than 30 educational activities. In addition he has worked to have the IEEE Industry Applications Society start a formal Regional Speakers Program for the IEEE Region 10 (an area that reaches from Asia to Australia). Twenty years later, the subsection has become a fully recognized section in its own right with 2000 members. It is one of the most respected sections on the basis of the continuing education it provides. Not only are the Hyderabad members privy to these opportunities, but other sections in India have also been able to use them.

"I believe the primary, if not the sole, responsibility of IEEE and its Sections / Chapters should be offering affordable and application/ industry oriented continuing education programs to members."

In addition, Mr. Satish was the invited speaker at the EAB Caucus in Itasca, Illinois. He gave the well-received presentation, "Energizing a Section Through Continuing Education."

Recently retired, Mr. Satish is an alumnus of Osmania University and Jawaharlal Nehru Technological University. He currently serves as Area Chair for Region 10 West of the IEEE Industry Applications Society.

BE GOLD

The progress from the Vice Chairman of IEEE Student Branch at NED University of Engineering and Technology, www.neduet.edu.pk, to the Chairman of GOLD Karachi Affinity Group, www.ieee.org/karachi, has been a journey of enlightenment, recognition and networking full of responsibilities and rewards.

The idea behind forming the GOLD Affinity Group was to prepare the fresh engineers to get exposure to the world of IEEE. As a student, one is limited to academic environments

The section works with professional members having established themselves in their respective fields...So, there was a need to acquaint & keep a hold on graduating engineers so that they can associate themselves with IEEE.

The GOLD group acted as a liaison between the Student Branches & the Section. In Karachi Section, we took the active volunteers from IEEE Student Branches into GOLD group & then gave them the opportunity to organize events. The young engineers are learning a lot in the process.

From the platform of IEEE, one have the opportunity to meet with the CEOs, Managers and faculties of the world's leading organizations.

The IEEE volunteer work gives a new dimension to career with its far-reaching impact on the communication, presentation and social skills of engineers. It is a pathway on which a young and aspiring student can learn the traits essential to survive in the professional world.

The purpose of writing is to let you – the students and members to suggest that they get involved in volunteer work for IEEE. In the beginning, it may seem that you are putting a lot of time, energy, efforts and resources but at the end of the day, you would be proud of your work and cherish the contacts you will make over a period of years at meetings and conferences.

Your Rolodex will be a reflection of your IEEE networking. The volunteer work for IEEE will enlighten your career with leadership and management skills necessary for Today's Engineer!

The IEEE also recognizes the volunteer services. I had been a recipient of IEEE R10 Outstanding Volunteer Award, IEEE RAB Section GOLD Leadership Award & IEEE Third Millennium Medal over a period of years.

I was lucky to have mentors who picked me up...So, get involved & show your potential. The volunteer work for IEEE will enrich your career in a profound way. The association with IEEE is one of exploring new vistas and avenues for work. So accept the challenge.

In a nutshell,

BE GOLD & polish yourself.

A Anoop
R10 Gold Coordinator 2002

NSW SECTION CELEBRATES 30 YEARS

On Friday 27 September 2002, the NSW Section celebrated its thirtieth anniversary with a dinner at the Royal Sydney Yacht Squadron, Kirribilli. The Section Chair Dr Trevor Bird welcomed distinguished guests that included Life Members, Bruce Howard, President of the Sydney Division, Institution of Engineers and the Division's Hon. Treasurer John Gebler.

To set the scene, he outlined a little of the history of the Section and touched on major events that occurred in 1972 when the Section was formed. (An updated history can be found on <http://ewh.ieee.org/r10/nsw/subpages/history/history.htm>. He presented the Max Symons award to Mr Yuehe Ge of Macquarie University for his paper entitled "Efficient Analysis of Microstrip Circuits Using New Closed-Form Green's Functions".

Following the main course, plaques were presented to members who have served continuously on the Section Committee for ten years or more. These members were: Bruce Poon, Sam Reisenfeld, Ramutis (Zak) Zakarevicius, John Robinson, Walter Lachs, Jim Logothetis and Jim Vasseleu. A display of memorabilia included early issues of Circuit and an Edison light globe. An enjoyable night was had by all at what is a beautiful Sydney venue.



Jim Vasseleu receives his 10-year continuous service plaque from 2002 Chair, Trevor Bird.

In presenting the seven awards, Dr Bird made the following remarks.

"I mentioned in my historical introduction that the Section has had many dedicated servants over the years. On the present occasion, the Section Committee resolved to honour Section members who have served continuously for ten years or more on the Section Committee. This evening 7 awards will be given.

- **Bruce Poon:** Has served on the Committee since 1992 and has been the Membership officer since 1995. He has been active in promoting IEEE at year 11 and 12 careers day activities since 1996.
- **Sam Reisenfeld:** Chair of the Communications & Signal Processing Chapter, instigator of the highly successful Globecom 98 conference in Sydney and member of the conference Technical Program Committee.
- **Ramutis Zakarevicius** Zak has served more or less continuously on the Committee since the mid 1970s. He was Section Chair from 1979 to 1981. Up until this year he was the Committee member responsible for Educational Activities.

John Robinson: John has held most executive positions on the Section Committee, including Chair in 1999-2000, Secretary in 1998 and Treasurer from 1990 to 1998.

Walter Lachs: Walter was Chair in 1988 to 1990 and again in 1995. He was Chair of Australia Council from 1990 to 1991. He has served as Vice Chair in 1998 and Secretary from 1991 to 1993 and also 1996 to 1997. I believe he was Editor of the newsletter Circuit for over 10 years.

Demetrios (Jim) Logothetis: Jim has served in total 7 years as Chair, from 1991 to 1994 and again from 1996 to 1998. He was secretary from 1987 to 1990, in 1995 and again in 1999. Most recently, Jim has been responsible for Professional Activities, which includes IEEE's involvement in Engineering Week.

James Vasseleu: Jim Vasseleu is the Father of the Section. He has served almost continuously on the Committee since its inception, except for when he was Region 10 Director in 1977 and 1978 and member of the IEEE Board. He was Chair in 1972 to 1973 and again from 1985 to 1987. He has held several other positions including Vice Chair from 1995 to 1997, and Treasurer from 1974 to 1975. For a number of years he has been Chair of the Nominations Committee, the Awards Committee and the Life Member Committee.

Please give a round of applause for these most distinguished members of the New South Wales Section Committee!"



Recipients of 10-year awards and the Section Chair in front of the original banner of the Australian Section which ultimately became the NSW Section. Left to right: John Robinson, Jim Logothetis, Trevor Bird (Chair), Sam Reisenfeld, Jim Vasseleu, Ramutis Zakarevicius, Bruce Poon and Walter Lachs.

IEEE Region 10 Executive Committee Meeting - Seoul on the 26th January 2003

Region 10 EXCOM members for 2003 are;

Director: Jung Uck Seo	juseo@ieee.org
Immediate Past Director: T. S. Low	elelowts@nus.edu.sg
Director-Elect : S. Takeuchi	takeuchi@dendai.ac.jp
Secretary: Yong-Jin Park *	park@hyuee.hanyang.ac.kr
Treasurer: Dae Young Kim *	dykim@cnu.ac.kr
Awards Coordinator: Y.W. Liu	y.liu@ieee.org
Chapter /Section Coordinator: L.W.C. Wong	lwong@i2r.a-star.edu.sg
Educational Activities Coordinator: A. Nishihara	aki@ec.ss.titech.ac.jp
Electronic Communication Coordinator: Kae Dal Kwack *	kwack@hanyang.ac.kr
GOLD Representative: Tuptim Angkaew *	feetak@kankrow.eng.chula.ac.th
Membership Development Coordinator: H. Haneda	h.haneda@ieee.org
Newsletter Editor: Harry McDonald	harry.mcdonald@westernpower.com.au
Regional Chapter Coordinator: M. Yamamoto *	yamamoto@comm.eng.osaka-u.ac.jp
Regional Conference Coordinator: J. Mazierska	j.mazierska@ieee.org
Technical Activities Coordinator: Tee Hiang Cheng *	ethcheng@ntu.edu.sg
Recognized Education Program Coordinator: A. Nishihara	aki@ec.ss.titech.ac.jp
Student Activities Coordinator: M.B. Khalid	mazuki@utm.my
Strategic Planning Coordinator: L.W.C. Wong	lwong@i2r.a-star.edu.sg

* New IEEE Region 10 excom member

The 2003 committee is a combination of energetic and dynamic new volunteers combined with some very wise and experienced IEEE volunteers.

The meeting agenda focuses on the previous year's achievements and sets out the main goals and activities for the coming year. More detailed planning for the Main region 10 meeting planned for Penang in April 2003 is also undertaken.

Two other items that will be discussed are an Operations Manual and Nominations and Appointments Committee. These are both important parts of governance and streamlining the way that the IEEE region 10 executive committee operates.

The main outcomes and highlights of the meeting will be reported in the next newsletter issue

**IEEE CONFERENCES IN REGION 10
DURING THE PERIOD 1ST JANUARY 2003 - 30TH APRIL 2003**

JANUARY 2003

2003 16th International Conference on VLSI Design:
concurrently with the 2nd International Conference on
Embedded Systems Design

04 Jan - 08 Jan 2003

New Delhi, India

<http://vlsi.nj.nec.com/~chak/vlsi2003/index.html>

2003 6th International Topical Workshop on
Contemporary Photonic Technologies (CPT)

15 Jan - 17 Jan 2003

Tokyo, Japan

<http://www.cpt2003.com>

2003 IEEE 16th International Conference on Micro
Electro Mechanical Systems (MEMS)

19 Jan - 23 Jan 2003

Kyoto, Japan

<http://mems.kaist.ac.kr/mems2003/>

2003 5th International Conference Advanced
Communication Technology (ICTACT)

20 Jan - 22 Jan 2003

Pyeong Chang-Goon, Korea

<http://icact.nca.or.kr>

2003 Asia and South Pacific Design Automation
Conference

ASP-DAC 2003

21 Jan - 24 Jan 2003

Kitakyushu, Japan

<http://www.aspdac.com/>

FEBRUARY 2003

2003 16th International Conference on Information
Networking

12 Feb - 14 Feb 2003

Seogwipo, Korea

<http://www.anlab.hufs.ac.kr/icoi2003>

MARCH 2003

2003 IEEE 19th International Conference on Data
Engineering (ICDE 2003)

05 Mar - 09 Mar 2003

Bangalore, India

<http://www.aztecsoft.com/icde2003/>

MARCH 2003 CONTD

2003 IEEE 13th International Workshop on Research
Issues in Data Engineering (RIDE)

09 Mar - 11 Mar 2003

Hyderabad, India

2003 Conference on Computational Intelligence for
Financial Engineering (CIFEr)

21 Mar - 23 Mar 2003

Hong Kong, China

<http://www.cityu.edu.hk/CIFEr2003/>

APRIL 2003

2003 Workshop on DSP in Mobile and Vehicular Systems

03 Apr - 04 Apr 2003

Nagoya, Japan

ICASSP 2003 - 2003 IEEE International Conference on
Acoustics, Speech and Signal Processing

06 Apr - 10 Apr 2003

Hong Kong, China

<http://www.eie.polyu.edu.hk/~icassp03/index.htm>

2003 International Conference on Communication
Technology (ICCT 2003)

09 Apr - 11 Apr 2003

Beijing, China

<http://www.bupt.edu.cn/~icct2003/index.htm>

2003 ISCA Workshop on Spontaneous Speech Processing
and Recognition

14 Apr - 15 Apr 2003

Tokyo, Japan

2003 Cool Chips VI

16 Apr - 18 Apr 2003

Yokohama, Japan

<http://www.coolchips.org/>

2003 IEEE Vehicular Technology Conference (VTC-
2003/Spring)

21 Apr - 24 Apr 2003

Seogwipo, Korea

<http://www.vtc2003spring.org>

2003 International Symposium on VLSI Technology,
Systems and Applications (VLSI-TSA)

23 Apr - 25 Apr 2003

Hsinchu, China

<http://vlsitsa.ritri.org.tw/default.asp>

IEEE SECTION 'E' -NEWSLETTERS

A number of the sections in region 10 have their own e-newsletters. These complement active web pages and can ensure that local members are aware of the more interesting events in their locality.

Some items may be worth reproducing and broadcasting throughout region 10. Future editions of the region 10 newsletter will cater for this.

Additionally the section newsletters may include ideas or formats that sections starting out on an e-newsletter communication journey or can be adapted for those seeking continuous improvement.

Delhi Section Newsletter

BEACON used to be a newsletter, and it has been upgraded to a House Journal. The first issue of Journal was released in June. The online version can be visited at www.ewh.ieee.org/r10/delhi

Editor: Dr Ram Nath, Deputy General Manager (Quality), Bharat Heavy Electricals Ltd. Industry Sector.

email: ramnath@bhelindustry.com



Note the ongoing interest of previous Region 10 director Harbans Bajaj

IEEE Section Award Presented in 2002

Congratulation to Malaysia Section who won the 2000 R10 Outstanding Section Award. A certificate was be presented to Malaysia Section Representative during R10 Committee Meeting held on April 5-6 2002 in Thailand.

Award Programs are designed to help promote IEEE purpose of recognizing outstanding achievement worldwide. Participation will enhance the excellence of the volunteer family.

In Region 10, we have the Outstanding Volunteer Award Program with a nomination deadline at the end of November each year. Nominations have been received from:

Australian Capital Territory,
Bangalore,
Beijing,
Bombay,
Hyderabad,
Islamabad,
Karachi,
Kerala,
New South Wales
Philippines.

It is one of the highest levels of participation since the program was installed

In the last R10 Executive Committee Meeting held in Cairns, it was considered that implementing the appropriate Award Programs in Section level is of the same importance as in HQ and Region. To start with, two Award Programs are recommended.

- The IEEE Section (XYZ) Award to honor an IEEE Section Member who has made contributions of exceptional distinction that are a model for other members to emulate, and,
- the Friend of IEEE Regional Activities Award to recognize support provided to IEEE and its members in support of the goals by firms, division of firms or individuals.

Please pay a visit to the R10 Award page for details:
- <http://www.ieee.org/hk/VH/IEEE/R10/R10award.html>

Should you interest in the Award Programs, feel free to contact Y W Liu, R10 Award Committee Chairman y.liu@ieee.org for further details.

IEEE REGION 10 - NEWSLETTER EDITORIAL DEADLINES

Raise awareness of your own significant achievements, events and interesting IEEE activities or people in your section. Newsletter ready articles greatly appreciated.

The current plan is 4 issues per annum and once momentum and interest is more firmly established consideration will be given to increasing this.

I am also looking for extra IEEE volunteer support to assist with collection of articles, editorial work and collation of the electronic newsletter.

Make a note in your calendars and please submit electronic articles for inclusion by the listed dates to harry.mcdonald@ieee.org.

Editorial Deadline	Newsletter Target Issue Date
7th Feb 2003	24th Feb 2003
9 th May 2003	26 th May 2003
8 th Aug 2003	25 th Aug 2003
7 th Nov 2003	24 th Nov 2003

IEEE MEMBERSHIP RENEWAL DEADLINE RAPIDLY APPROACHING

Time is running short! Protect your IEEE membership benefits and services for 2003 by renewing your membership online today. New services and benefits for the new year include the IEEE Member Digital Library, three new IEEE journals, new insurance programs, and more. Also available are the IEEE Email Alias, discounted publications and conference registration fees, career and employment resources and IEEE Financial Advantage programs. To find out more about IEEE membership renewal and benefit information, or to renew online today, visit:

<http://www.ieee.org/renewal/>

IEEE DELIVERS INFORMATION IN NEW WAYS FOR NEW YEAR

In 2003, IEEE will deliver technical information to its members and customers in several new ways. New collections available this month include the IEEE Information Technology Library for institutions and the new option available to IEEE members, the IEEE Member Digital Library. Also this month, IEEE added select content published between 1950 and 1987 to the IEEE Xplore online delivery platform, contributing about 85,000 documents to the nearly 900,000 already available. And coming up in April, IEEE will introduce the new IEEE Biomedical Engineering Library. To find out more about these new IEEE Online collections, please visit the following sites:

IEEE Information Technology Library: <http://www.ieee.org/ieeeteil>

IEEE Member Digital Library: <http://www.ieee.org/ieeemdl>

IEEE Biomedical Engineering Library: <http://www.ieee.org/ieeebel>

IEEE MEMBER NEWSPAPER PUBLISHES ONLINE EXCLUSIVES IN 2003

The Institute, the IEEE member newspaper, will publish 16 issues this year:

four print newspapers and 12 online-only editions. The first online-only issue has just been published.

Quarterly print issues will arrive in the mail beginning with the March issue of IEEE Spectrum. New online editions of The Institute will be published by the 7th of every month, and IEEE members will receive an email alert when each issue has been posted.

Members who have not already received the alert may sign up for the service by providing an email address at the "Update Your Address or Contact Info" link at:

<http://www.ieee.org/membership>

Read the first online issue of 'The Institute' now at <http://www.ieee.org/theinstitute>