IEEE
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From the desk of ECC

Dear *esteemed colleagues*,

We have passed two years of our existence so far as Section e-newsletter is concerned. With the feedback received from the members, now onwards it is being made available in the Section web-site only, right in the home page of course. Message, however, is going by e-mail regarding its release. If someone is having problem in accessing and / or opening 'pdf' version, if intimated, I shall be definitely sending 'doc' version as an exception. For earlier issues / back volumes you may continue go to the 'history' page to find the same.

In this issue I am repeating also the Section AGM Notice already circulated in an exclusive manner by the Secretary, Dr. Ram Nath, rather as a sort of reminder to keep the date free for your IEEE.

So far as our membership is concerned, somehow we have managed to cross the figure of 2K, details of which you will find at the end. Let us keep it up, backed by both – students as well as corporate members.

With regards,
Sincerely yours
Dr. S.Mukhopadhyay
New Delhi
January 07, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Dated : December 15, 2002

Ref: IEEE/Delhi-2002/Secy/AGM2003

Sub: Notice for the ANNUAL GENERAL MEETING 2003 & Felicitation Function

Dear Member,

The Annual General Meeting of the Section is hereby convened on January 19, 2003 as per following schedule and agenda. The slate for the Executive Committee for the year 2003 is enclosed as Annexure to this Notice.

VENUE: **Lecture hall (Basement), Annexe of India International Centre, 40, Max Mueller Marg, New Delhi-110003**

Schedule (Sunday)	**19th January, 2003**
10:30 hrs	Members assemble –Tea
11:00 hrs	Section Annual General Meeting
12:30 hrs	Felicitation of Sh H.L.Bajaj, Chairman, Central Electricity Authority (Ex-officio Secretary to Govt. of India) & Dr D.P.S.Seth, Member Services, Telecom Commission (Ex-officio Secretary to Govt. of India)
Lunch	
14:30 hrs	AGM of Society Chapters

AGENDA

1. Welcome address by the Section Chairman
2. Confirmation of the Minutes of Annual General Meeting 2002 held on Jan 20, 2002 (Published on Page 38 of June 2002 issue of BEACON)
3. Presentation of Activity Report by Secretary
4. Presentation of Financial Accounts by Treasurer
5. Policy recommendation for participation of secondary/additional

delegate to important IEEE administrative meetings
6. Election of Executive Committee for the year 2003
7. Any other point with the permission of the Chair.

You and your spouse are cordially invited to attend the Annual General Meeting. Please confirm your participation indicating the number by January 11, 2003 to the undersigned by email or post.

Yours truly,

Dr. Ram Nath

Secretary, IEEE Delhi Section

AGM of PES-IAS Chapter

Extract from circular no. IEEE/Delhi/PE-IA/87 dated December 17, 2002

AGM of PES-IAS Chapter shall be held on **January 19, 2003** at **2-30 P.M.** in the **Lecture Hall (Basement), IIC (Annexe)** with the following agenda:

1. Address by the Chapter Chairman
2. Presentation of Activity Report
3. Presentation of Financial Report
4. Election of the Executive Committee for the year 2003
5. Any other point with the permission of Chair

Dr. S.Mukhopadhyay
IEEE PES-IAS Delhi Chapter Chair

Notice for the Annual General Meeting 2002 for IEEE-AES-COM-LEO-Society Chapter India and IEEE Delhi Communications Chapter

The Annual General Meeting of the above two chapters is hereby convened on January 19, 2003 as per the following schedule and agenda along with the Annual General Meeting of IEEE-Delhi Section.

Nominations from the members are requested for the Executive Committee for the year 2003 for both the above Chapters on voluntary basis.

VENUE: Lecture hall (Basement), Annexe of India International Centre, 40 Max Mueller Marg, New Delhi-110 003

Schedule 19th January, 2003 (Sunday) 14.30 hours AGM for the IEEE-AES-COM-LEO-Society Chapter India and IEEE Delhi Communications Chapter

Members are requested to participate in the above.

Dr. Ram Gopal Gupta
January 06, 2003

Future IEEE Fellows

How to Become an IEEE Fellow

Recognizing the achievements of its members is an important part of the mission of the IEEE. Since 1963, IEEE has acknowledged those individuals who have contributed significantly to the advancement of engineering, science & technology.

The IEEE Board of Directors awards the honor of IEEE Fellow to an IEEE Senior Member who had an extra-ordinary record of accomplishment in any of the IEEE fields of interest.

Do you know an IEEE colleague who has made outstanding contributions to the electrical & electrons engineering profession. If so, consider nominating him or her as an IEEE Fellow. The deadline for receipt of complete IEEE Fellow nominations is 15 March 2002

As the time nomination is submitted, the following requirements must be met:–

Candidate — The candidate must be an IEEE Senior Member, his/her IEEE membership due must be current, and he/she must have completed five years of service in any grade of IEEE Membership.

Note: IEEE affiliate membership does not apply.

Nominator — Any person, including a non-IEEE member, is eligible to be an IEEE Fellow nominator with the following exceptions:–

- ❖ Members of the IEEE Board of Directors,
- ❖ The IEEE Fellow Committee,
- ❖ IEEE Technical Society/Council Fellow Evaluating Committees Chairs,
- ❖ Members of IEEE Technical Society/Council Evaluating Committees reviewing the nomination, and
- ❖ IEEE staff.

The Nominator is responsible for the following —

- ❑ Preparing the IEEE Fellow Grade Nomination Form.
- ❑ Soliciting at least five, but no more than eight references capable of assessing the candidate's contributions. The references must be IEEE Fellows and their IEEE Membership dues must be current. References can not be members of the IEEE Board of Directors, Fellow Committee, Society, Council Evaluation Committee, the Nominator or staff.
- ❑ Identifying an IEEE Society/Council whose evaluating committee will assess the candidate's technical qualifications and contributions.
- ❑ Optional – Soliciting no more than three Endorsers that best reflect the candidate's field of technical accomplishments. Endorser cannot be members of the IEEE Board of Directors, Fellow Committee, Society/Council Evaluating Committee, the Nominator or Staff.

The identified IEEE Society/Council Evaluating Committee first reviews the nomination material. Their scores are forwarded to the Follow Committee after their review.

The IEEE Fellow Committee is composed of 30 members plus a chair-person. All are IEEE Fellows and are represented from the ten IEEE Regions, forty IEEE Societies/Councils, and various affiliations.

The IEEE Fellows Committee reviews the candidates according to the following criteria:–

- ❑ Significant contributions as engineer-scientist, technical lead or educator.
- ❑ Evaluation by the IEEE 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.

Each candidate is rated numerically on the basis of this information.

The number of successful candidates in any year must not exceed one-tenth percent of the voting membership of the IEEE on record as of 31 Dec of the proceeding year.

To obtain more information about the Fellow Program, visit **www.ieee.org/fellows.**

To receive a hard copy of the Fellow Nomination Kit, send and email to **fellow-kit@ieee.org** with your name, address, telephone number and the number of kits required.

IEEE, 445, Hoes Lane, Piscataway, New Jersey 08855, Phone (732) 981.0060 Fax (732) 981.9019

Excerpts from The IEEE LEADERSHIP WIRE

(23 December 2002)

2003 RENEWAL NOTICES SENT TO ALL IEEE SUBSCRIBERS

Last month, subscribers to IEEE journals and conference proceedings received their 2003 subscription renewal notices. A revised renewal notice may be requested at mailto:subscription-services@ieee.org.

NOVEMBER MEMBERSHIP HIGHLIGHTS

IEEE membership totaled 376,015 as of 30 Nov. with growth at 2 percent. For the complete Membership Development Progress Report, visit http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

NEW IEEE SENIOR MEMBER LIST ONLINE

The list of 280 new IEEE Senior Members, elevated in November, is online at http://www.ieee.org/ra/md/smupd/nov02smupdt.html. To report any corrections, contact Mila Thelen, IEEE Regional Activities, at mailto:m.thelen@ieee.org. To learn the status of a Senior Member application, send your inquiry to mailto:senior-member@ieee.org or go to http://www.ieee.org/ra/md/smappstatus.html.

IEEE FOUNDATION ACCEPTING GRANT PROPOSALS

In November, the IEEE Foundation Board of Directors elected to give more than US$125,000 in grants to various science- and technology-related projects.

The IEEE Foundation is now accepting grant proposals for 2003.

For consideration at the IEEE Foundation's June meeting, submit abstracts by 14 March and proposals by 25 April. For consideration in November, submit abstracts by 15 Aug. and proposals by 26 Sept.

For a copy of the grant guidelines, visit http://www.ieee.org/foundation or call +1 732 981-3435. For a full list of the grants awarded this year, visit http://www.ieee.org/organizations/foundation/html/2002grants.html.

LIST OF 2003 IEEE MEDALS AND AWARDS AVAILABLE

Nick Holonyak, Jr., professor and John Bardeen Chair of Electrical and Computer Engineering and Physics at the University of Illinois at Urbana-Champaign, has been named 2003 IEEE Medal of Honor recipient for his pioneering contributions to the field of semiconductors.

All 2003 IEEE Medal, Service Award, Corporate Recognition and Prize Paper recipients are listed at http://www.ieee.org/about/awards/pr/2003mdl.html. The 2003 Technical Field Award recipients are listed at http://www.ieee.org/about/awards/pr/2003tfa.html.

IEEE AWARDS CALLS FOR NOMINATIONS

The IEEE Awards Board is calling for nominations for the IEEE Emanuel R. Piore Award and the IEEE Edison Medal, both for 2004.

The IEEE Emanuel R. Piore Award is presented for outstanding contributions in the field of information processing in relation to computer science. The prize consists of a bronze medal, certificate and cash honoraria. The nomination deadline is 31 Jan.

The IEEE Edison Medal is awarded for a career of meritorious achievement in electrical science, electrical engineering or the electrical arts. The prize consists of a gold medal, gold pendant, certificate and cash honoraria. The nomination deadline is 1 July.

To obtain nomination forms, visit http://www.ieee.org/about/awards or email: mailto:awards@ieee.org

IEEE TO HOST LIVE WEB CONFERENCE

The IEEE will conduct a free live Web Conference, "Accessing IEEE Technical Information: The IEEE Member Digital Library," on 11 Feb., at 7:30 a.m. PST, from the International Solid-State Circuits Conference in San Francisco, Calif., USA. IEEE members can sign up at http://www.ieee.org/ieeemdl.

For more information, contact Barbara Soifer, IEEE Sales & Marketing, at mailto:b.soifer@ieee.org.

FREE MONTH FOR IEEE MEMBER DIGITAL LIBRARY CHARTER SUBSCRIBERS

Charter subscribers to the IEEE Member Digital Library who subscribe by 31 Dec. will receive their first month free. Available in January, the IEEE Member Digital Library will provide subscribers with access to more than five years of IEEE technical papers.

For more information, visit http://www.ieee.org/ieeemdl.

TECHNICAL ARTICLES NOW FEATURED ON IEEE HOME PAGE

A new feature to the IEEE home page at http://www.ieee.org highlights three technical papers available through IEEE Xplore(R). The feature, on the right-hand side, is updated weekly. The articles are accessible to subscribers with the appropriate institutional or personal subscriptions. Non-subscribers may purchase individual articles.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-December 2002)

Total: 2082

Grade	Strength
Honorary Member	2
Fellow	3
Senior Member	132
Life Senior Member	8
Member	630
Life Member	2
Student	803
Others	502

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	94
C016: Computer Society	258
PE031: Power Engineering Society – IA034: Industry Applications Society	143
COM019: Communications Society	236
EM014: Engineering Management Society	24

Student Branch	Strength
2591901: DCE, Delhi	118
2590001: IIT, New Delhi	25
2534811: NSIT, New Delhi	28
2534861: JMI, New Delhi	92
2503861: BITS, Pilani	7
2591103: MBM Engg. College, Jodhpur	5
2518473: Engg. College, Ajmer	17
2531463: MR Engg. College, Jaipur	32
2510361: REC, Kurukshetra	2
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0/0~~
41427869: CR State College of Engg., Murthal	26
2518443: PEC, Chandigarh	100

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From the desk of ECC

Dear *esteemed colleagues*,
With the year just started we are maintaining increase in our strength. Particularly in this context to be noted is our student strength that has passed over figure of 800. For the first time even three Student Branches, at DCE, Jamia and Chandigarh, reached more than 100 simultaneously.

Our new EXECOM has taken over in the AGM of January 19, 2003. For Section Officers, Other Members of EXECOM, Chapter Chairs, Standing Committees and Total Listing, please surf and look around at http://www.ewh.ieee.org/r10/delhi/exec.html. They are at your service. Don't hesitate to contact them.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
February 05, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

February 14, 2003 (*Friday*): 18-15 hrs: Committee Room 1, India International Center, New Delhi: Section and its Computer Society Chapter organizing a lecture on 'Digital Rights Management' by Dr. K. Subramanian, NIC, Ministry of Communications & Information Technology, Office of the Comptroller and Auditor General of India, New Delhi

Web Services

INTRODUCTION

Let us have a look at the following instance to understand the subject matter:
'an example of an early component within the library includes an anti credit card fraud solution comprising three elements – an SMS gateway, a customer profiling tool and a facility that enables users to update their own records via the web. Used together, these can identify unusual spending patterns and verify with the card holder whether the payment is genuine'.

It is said that Web Services is the most profound change in the shape of the IT industry for thirty years.

It is also said that by their very nature, Web Services will take a long time to get here. 'How long?' is almost now the question, not whether or what are they.

Here are the results of an exclusive research done by Internet World in the UK

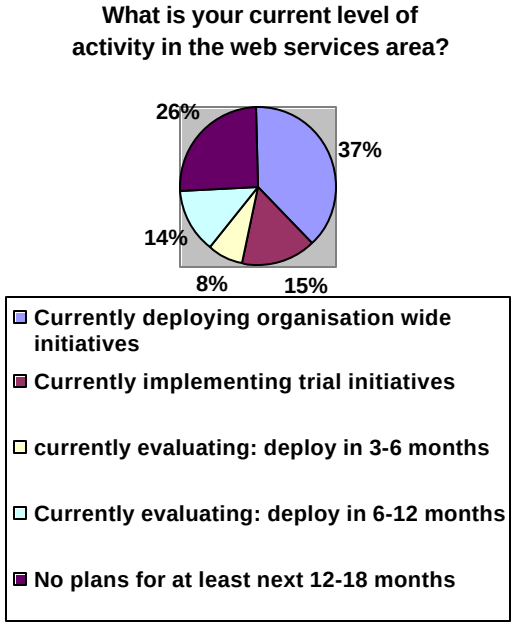


Figure 1

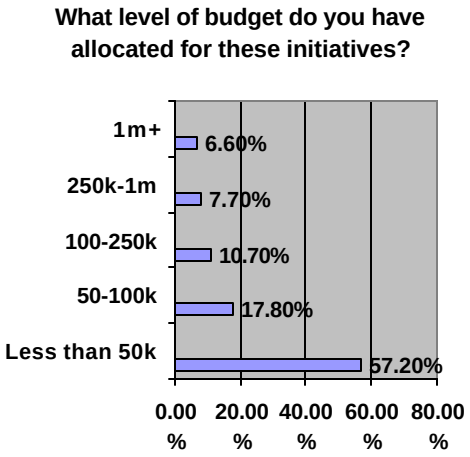


Figure 2

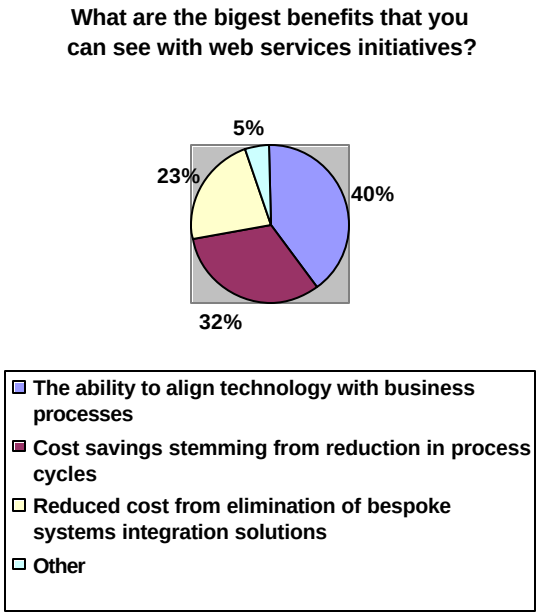


Figure 4

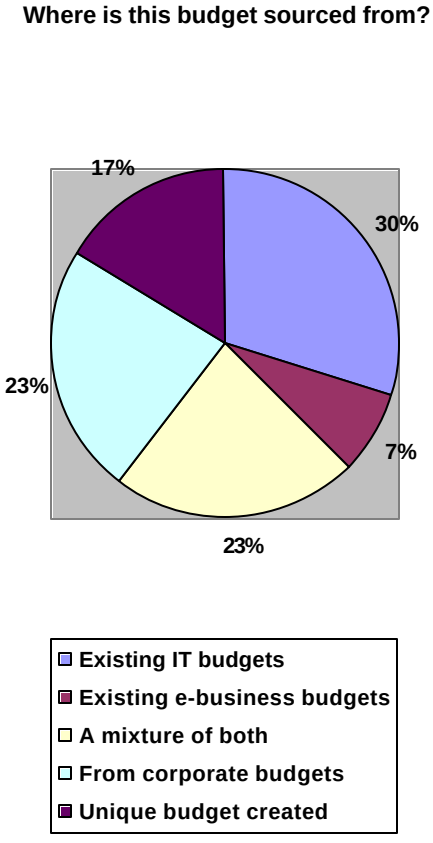


Figure 3

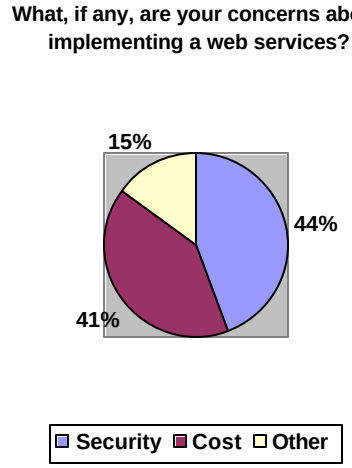


Figure 5

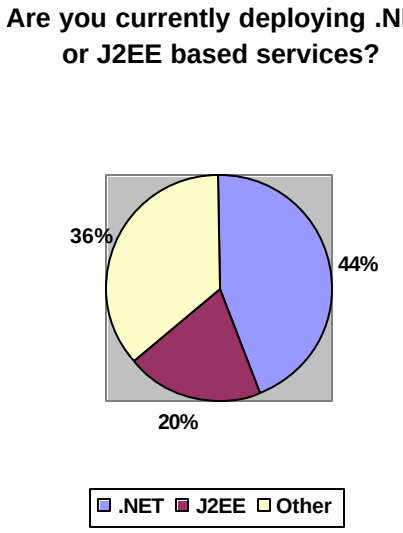
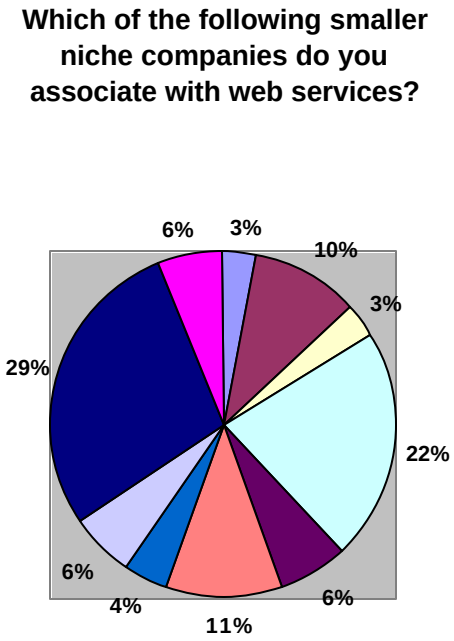


Figure 6



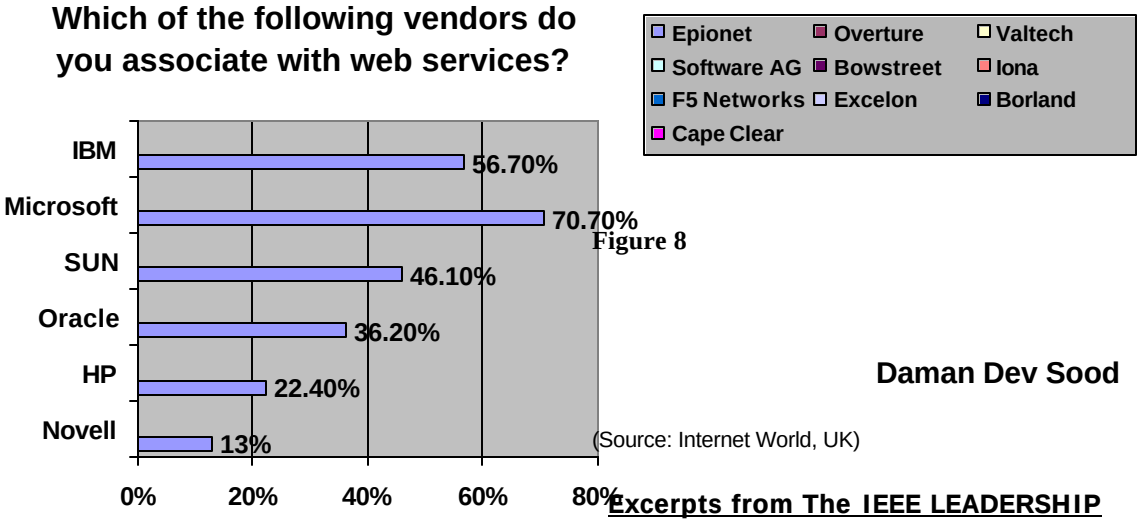


Figure 7

Figure 8

(Source: Internet World, UK)

Daman Dev Sood

Excerpts from The IEEE LEADERSHIP WIRE

(27 January 2003)

FREE WEB CONFERENCE ON ACCESSING IEEE TECHNICAL INFORMATION

The IEEE and the IEEE Member Digital Library will host a free Web conference on 11 Feb., at 7:30 a.m. PT. The conference session, broadcast live from the International Solid State Circuits Conference in San Francisco, USA, will discuss methods of searching and tools in IEEE Xplore(R) to maximize research efforts.

To register for the conference or for more information, visit http://www.ieee.org/ieeemdl.

MOVE OF IEEE XPLORE HOSTING SUCCESSFULLY COMPLETED

Last month, the IEEE completed the move of IEEE Xplore(R) from its previous commercial hosting site, Information Handling Services (IHS) in Denver, to the IEEE Data Center in Piscataway.

At the same time, the new IEEE Member Digital Library went into operation as IEEE Xplore's architecture now makes it easier to support new product configurations. The architecture also will support the IEEE Information Technology Electronic Library and the IEEE Biomedical Engineering Library.

With in-house hosting, IEEE Customer Service is taking over technical service support from the IEEE's outside sales partner, IHS.

The move is the result of a nine-month effort by a team of staff members from Publications and IT.

SIX IEEE MAGAZINES WIN INDUSTRY AWARDS

Six IEEE magazines won awards at the 2002-2003 Society for Technical Communications' (STC) N.Y. Metro Technical Art and Technical Publication competition. Among them, "IEEE Microwave Magazine" took both first place and Best in Show for cover design. It will be entered in STC's international competition.

For the full list of winners, visit http://www.stcnymetro.org/comp/index.htm .

TECHNICAL ARTICLES NOW FEATURED ON IEEE HOME PAGE

A new feature on the IEEE home page, http://www.ieee.org, highlights three technical papers available through IEEE Xplore(R). The feature, on the right-hand side, is updated weekly. The articles are accessible to subscribers with the appropriate institutional or personal subscriptions. Non-subscribers may purchase individual articles.

In addition, the home page also now highlights several upcoming IEEE conferences with links to additional information.

UNIVERSITY PARTICIPATION GROWS 40 PERCENT AT DEANS SUMMIT

Deans and faculty of engineering and education representing 67 universities came together at the Deans Summit, 9-12 January in Miami, to find new ways to enhance technological literacy in pre-college classrooms through collaborative college programs.

University participation in the event, titled "Deans Summit II: Fostering Campus Collaborations," grew more than 40 percent from the first such meeting held in October 2001, and attracted educators from Brazil, India, Indonesia, Israel, Pakistan, Turkey, the United Kingdom and the United States.

Sessions covered creative joint programs to bolster interest and skills in science, math and engineering, as well as pedagogical approaches for improving engineering education. In addition, attendees collaborated on action plans to expand existing programs or create new ones. The meeting concluded with a panel of representatives from the National Science Foundation and NASA on funding opportunities and a presentation from the Intel Company.

The IEEE Educational Activities Board hosted the event.

Look for more details in March in "The Institute."

CALLS FOR AWARDS NOMINATIONS SELECTION COMMITTEES

The IEEE Awards Board is encouraging IEEE Societies to nominate individuals to serve on selection committees for awards that relate to the society's interests. Send all suggestions by 15 Feb. to mailto:awards@ieee.org.

IEEE MEDAL OF HONOR

The IEEE Awards Board also seeks nominations for candidates of the IEEE Medal of Honor, the IEEE's highest award. The medal is awarded each year to an individual for exceptional contributions or

an extraordinary career in the IEEE fields of interest.

For nomination forms, visit http://www.ieee.org/about/awards.

IEEE AWARDS BOARD

The IEEE Awards Board Nominations and Appointments Committee (ABN&A) is seeking nominations for the following Awards Board positions:

*2004 Awards Board Chair
*2004 Award Board Vice Chair
*2004 Awards Board Members-at-Large

The ABN&A also would like the names of individuals from all regions who may be interested in serving on an IEEE award/medal selection committee.

The submission deadline is 1 April. Submit all names to Kerry Ann Ward, IEEE Awards/Fellow Activities, at mailto:k.ward@ieee.org.

Excerpts from SCOOP

(January 2003)

2003 REGIONAL ACTIVITIES BOARD

The Regional Activities Board (RAB) implements and upholds policy affecting Section operations so, as a Section officer, it is important to for you to know who is representing your Section RAB. The following are members of the 2003 Regional Activities Board (RAB):

RAB Chair: W. Cleon Anderson
Past RAB Chair: Maurice Papo
RAB Treasurer: Joseph V. Lillie

Region 1 Director: Gerald Alphonse
Region 2 Director: Moshe Kam
Region 3 Director: James M. Howard
Region 4 Director: Burton J. Loupee
Region 5 Director: Jean M. Eason
Region 6 Director: Evelyn H. Hirt
Region 7 Director: Mohamed E. El-Hawary
Region 8 Director: Anthony C. Davies
Region 9 Director: Hugh Rudnick
Region 10 Director: Jung U. Seo

RAB Vice Chair: Region, Section, Chapter Activities: William Gjertson
RAB Vice Chair: Member Activities: Marc T. Apter
RAB Vice Chair: Strategic Planning: Irving Engelson
RAB Vice Chair: Student Activities: Manuel Rodriquez-Perazza
GOLD Committee Chair: Anoop Alazhathu

Contact the Regional Activities Department at regional.activities@ieee.org for more information.

IEEE GOLD LEADERS JOIN THE SECTION-CHAPTER VOLUNTEER VIRTUAL COMMUNITY

We are excited to announce that a new group of IEEE leaders will be participating in the Section-Chapter Volunteer Forum Virtual Community. This GOLD leadership group will be comprised of IEEE GOLD Affinity Group Chairs, Region 1-10 GOLD Coordinators, and the 2003 GOLD Committee Members. These GOLD leaders will be utilizing the GOLD folders and subfolders in the various areas of the Section-Chapter Volunteer Forum virtual community to share information and collaborate so the challenges of planning activities and maintaining GOLD Affinity Groups are minimized.

We encourage you to take a look at the information that is posted in these areas so you can remain updated and connected to your GOLD leaders and activities in your respective Section, as well as other IEEE Sections. Also, we hope that through this effort, opportunities for outreach and collaboration will be increased between Sections, Chapters, and GOLD leaders.

If you are not currently a member of this community, but are interested in joining so that you too can access the valuable information described above and much more, then please visit http://www.ieeecommunities.org/section-chapter_vol and apply for membership. To preview the various tools that will be available to you within the Virtual Community and for how-to information for using those tools, please see the "User

Guide for Virtual Communities," located at http://www.ieee.org/organizations/eab/vc/userguide.

For more information about GOLD, contact Cathy Downer at c.downer@ieee.org. For questions regarding IEEE Virtual Communities, contact Marilyn Catis at mg.catis@ieee.org.

IEEE FOUNDATION NEWS, AWARDS AND PROPOSALS

The IEEE Foundation, the philanthropic arm of the IEEE, has awarded grants in 2002 to a variety of projects. For example, the IEEE Foundation Board of Directors selected to support at its November 2002 meeting projects with goals that capitalize on the natural curiosity children have for science and technology; that generate ideas to improve university educational programs in South-Eastern Europe; that educate the public about the many contributions engineers make to our everyday lives. To view a full list of the grants awarded to date in 2002 please visit us on the web at http://www.ieee.org/organizations/foundation/html/2002grants.html.

If you have a project which you would like to present for a possible grant in 2003, please note the following deadlines: For consideration at the Foundation's June meeting, abstracts are due 14 March 2003 and proposals by 25 April 2003. For consideration in November, abstracts are due by 15 August 2003 and proposals by 26 September 2003.

Proposals for projects should: through continuing education; technologies; applications; or the IEEE serves or significantly advancing the profession.

To learn more about the IEEE Foundation and obtain a copy of the grant guidelines, visit http://www.ieee.org/foundation or call +1 732 981-3435.

BRAIN TEASER CHALLENGE, JANUARY 2003

Butch Shadwell

I have always been a big fan of the Larson comics. I guess I flattermyself to think that he and I share a similar sense of humor. One cartoon in particular always comes to mind when I think of the Larson stuff. He did one many years ago where he portrayed some mad scientist having emerged from his lab, after years of intensive research, with a special helmet that enabled the wearer to understand every thing that dogs say. The complex collection of sounds and subtle cues that dogs use to communicate were instantly translated into English for the wearer. Then as the scientist walks down the street amongst the neighborhood dogs, in order to test his new invention, he hears what we've all been dying to understand. As it turns out, every bark, whine, and whimper entered the wearer's ears as the word "Hey". I found this to be incredibly ntelligent of Larson, for when one thinks about it, by varying the intonation, one can express just about everything dogs might want to say with that one word.

So, if you were interested in building the contraption described by Larson, one might need a simple constant current source with voltage compliance from 5 to 20 volts DC (load resistance varies from 10k to 40k ohms) at 0.5 mA (+/- 10%). And suppose you happened to have a 2N5457 (data sheet available at http://www.onsemi.com/pub/Collateral/2N5457-D.PDF). I am looking for the simplest and cheapest circuit configuration to meet this need. I would like to see component values, and you may use other semiconductors in addition if you wish. And I don't own any stock in ON Semiconductor, it was just the easiest place to find the data sheet.

Reply to Butch Shadwell by January 20 at b.shadwell@ieee.org.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-January 2003)

Total: 2199

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	139
Life Senior Member	9
Member	646
Life Member	2
Student	858
Others	540

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	93
C016: Computer Society	268
PE031: Power Engineering Society – IA034: Industry Applications Society	141
COM019: Communications Society	224
EM014: Engineering Management Society	25

Student Branch	Strength
2591901: DCE, Delhi	121
2590001: IIT, New Delhi	27
2534811: NSIT, New Delhi	53
2534861: JMI, New Delhi	116
2503861: BITS, Pilani	8
2591103: MBM Engg. College, Jodhpur	5
2518473: Engg. College, Ajmer	17
2531463: MR Engg. College, Jaipur	32
2510361: REC, Kurukshetra	2
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0/0~~
41427869: CR State College of Engg., Murthal	26
2518443: PEC, Chandigarh	100

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vol 03 no 03
march 2003

From the desk of ECC

Dear *esteemed colleagues*,

I wish I shouldn't have waited for the updating of our Delhi Section Membership database this time. It has reduced to half of previous strength, just merely crossing the figure of 1000, an all-time low figure on the basis of renewal in the early part of the year in the recent five years. Signal is very clear. Higher grade Members as well as Students in general have left. Student Branches at MBM Engineering College, Jodhpur and REC, Kurukshetra have been totally washed out. Strength of Section Chapters belonging to Societies, like, Computer, Communications, Circuits and Systems and Control Systems has drastically reduced. While definitely Section Standing Committee on Membership Development will take a stock of the situation, affected Chapters too have to reach the defaulting Members for renewal of their membership at the earliest. Section Officers in general, and in particular Students and Educational Activities Standing Committee Members may have to try hard for the retention and admission of Student Members. I am still following the old mailing list this month and specially appeal to the default Members to renew their membership.

Our Region 10 Meeting is scheduled on April 04 & 05, 2003. This time it is in Penang, Malaysia. If you have any specific item of agenda to be considered, please feel free to intimate the same to our present Section Chair, Mr. Raj Kumar Vir at rajvir@ieee.org.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
March 09, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

March 06, 2003 (*Thursday*): 18-15 hrs: Committee Room 2, India International Center, New Delhi: Section and its Management Society Chapter organizing a lecture on 'Delhi Metro - Metro Technology, Challenges in Indian Context' by Mr. Satish Kumar, Director (Electrical Signaling and Rolling Stock), DMRC, NBCC Place, New Delhi

March 28, 2003 (*Friday*): 18-15 hrs: Committee Room 1, India International Center, New Delhi: Section and its Computer Society Chapter organizing a lecture on 'Banking Technology' by Dr. A.K.Chawla, TCS, Gurgaon

CORPORATE GOVERNANCE - TRENDS AND ISSUES
Daman Dev Sood

OBJECTIVE

The objective of this paper is to highlight the current trends and issues related to Corporate Governance (CG), to raise some key questions to the authorities and to share a little about the current scenario. The focus is with respect to India.

STRUCTURE -

- Concept
- Build up/ Driver
- Trends
- Current Scenario
- Food For Thought

Concept

A quick look at the management literature indicates many terms being used to indicate issues typical to corporate governance. Some of these are: business ethics, corporate social responsibility and business values. At the same time, although CG is relatively new concept (across the world, India Inc. included), it is much more than mere jargon. In the context of recent turmoil and crash of public confidence in corporate world (Qwest Communication International, Enron, Worldcom, Xerox etc.), CG is more relevant today than it has ever been.

The build-up / The driver

The recent corporate problems reveal that one of the important contributors was lack of proper governance of those corporations. A company failure is not necessarily the same as the corporate governance failure. The former is inevitable in a business downturn, but a slide in company's fortunes due to internal factors can be attributed to poor governance. The corporations are under tremendous pressure from the regulators and the stakeholders (employees, financers, and shareholders).

While the long-term focus will be to recover from these problems, the short-term focus for improvement is via carrying out internal reforms, and CG comes to rescue here.

Trends

The paper revolves around happenings in the Europe and US (with a little more from the Europe). I call this paper focusing on India, as I strongly believe that what's happening in the developed countries today is going to happen in India as well within the next couple of years. So let us be proactive in facing the situation. Believe it or not, the UK is at the forefront of all such reforms and is often considered as a trendsetter for other places - even the US. It is said that 'what happens to corporate governance in the UK, matters to everybody else.'

Trend 1

Increasing role of non-executive directors (NEDs): The role of the NEDs will be expanded and better resourced and made more independent. The theory is that these non-executive directors supervise the work of the executives. This has so far failed to yield impressive results but experts hope that NEDs will become more important, while the existing board fears that they (NEDs) could constitute an alternative power base within companies. I fear more so within India.

Trend 2

Increasing role of institutional investors: The institutional investors are pressed into playing a larger role in the oversight of corporate governance standards. The companies are subject to the principle of 'comply or explain' - and explain publicly.

Additionally, the area of focus is shifting to the following:

- **Examination of accounting practices**
- **Improved Communication**
- **Sharing of information**
- **Transparency**
- **Directors' pay**
- **Long-term incentive schemes and the processes by which these are set**
- **Executives behaving like long-term stakeholders**
- **More staff and full access to information to NEDs**
- **NEDs meeting separately away from the influence of the executives**
- **Employees' direct access to NEDs to express concerns and even blow whistle, if required**
- **Balance Score Card driven Vision, Mission and Goals**
- **Values, Ethics and Codes of Conduct**

The crucial elements are financial transparency and realistic and true public postures. Some surveys reveal that the investors are prepared to pay a premium for

the shares of well-run companies. At the very least, the authorities must ensure that they have the information necessary to make that choice.

In the industrial age, companies were built on the principle, "**Do more, and do it cheaper**." The means were vast scale and scope as well as internal controls were rigid. In the information age, the watchwords are "**fewer, faster, less**" - fewer assets, faster growth and less activity managed under one roof. The last one is my favorite - whether it is delegation of power within the organization or it is outsourcing. Work Smart rather than working Hard.

Current Scenario

Standard & Poor, internationally, has rated Oil Giant BP, Britain's largest listed company as the leader in corporate governance. BP scored 9.6 as **CGS** (Corporate Governance Score), the highest so far, on a scale of 10. The Standard & Poor's CGS is based on ownership structure, stakeholder rights, financial transparency, disclosure and boardroom structure.

In India, **ICRA** (Investment Information & Credit Rating Agency)**,** has recently launched a product **CGR** (Corporate Governance Rating), where the companies are rated from 1 to 6 (1 being the best). ITC, one of the top-run private sector companies in India, has been ranked at CGR2 which means ITC has adopted and follows such practices, conventions and codes as would provide its financial stakeholders a high level of assurance on the quality of corporate governance.

But, isn't it strange that there is only one rating company and only one Indian company has been rated yet? Yes, it is. Surprisingly, it matches with the international standards and with the leader (UK) in this particular sector. Standard & Poor has rated about 30 to 40 companies in the last couple of years but only less than 10 of these have been made public. The question is, why should India Inc. stop here, why can't we try to be the leaders for once.

The ones those came out publicly are the **daredevils**. They had the courage to be assessed, which means, willing to share confidential information with the assessor and get it made public.

The companies in the UK are the most transparent and disclose the most information.

The India Inc. should, without feeling shy, look towards the trends in the UK because they are leading the globe. The code and the best practices include board appointments, financial reporting, disclosure, audit and remuneration committees. Once these are covered, is anything else required? Isn't it too simple!

The rule that is emerging is even simpler - if I do not do as directed, then I share the reasons for taking such decision.

A new company law that is expected in the UK, includes a substantial section on corporate governance, including a clarification of directors' duties. It may be the most extensive reform of company law for 150 years.

Are we prepared to take this lesson learnt/ best practice in India?

Another survey has revealed that the investors in Asia are willing to pay more premiums for buying shares of well-governed organizations than the investors in Europe and US. This doesn't mean that the European and American investor doesn't value Corporate Governance. In fact, it simply certifies the fact that the organizations in Europe and US are already better governed and there is comparatively less scope for improvement. Food For Thought

Food For Thought 1

Cross-Company Appointments - Can these be considered? For example, an executive from company A goes to the board of company B and one from B comes to A, *both A and B being in the same field of operations*. I say so because the NEDs, in

many cases have proven to be ineffective, perhaps because they were not from the same field or they were not going to be affected by the happenings in that industry or both (the NEDs and the existing board) had their mutual vested interests in the dealings. This would demand a very high degree of fairness - a great challenge in Indian context!

Food For Thought 2

The contradiction - A 3-dimensional contradiction exists. 1) The markets and the industry under question are slow, but the corporates announce 'no-impact', 2) The financial results (turn over as well as profits) are good but the wealth sharing with the employees is low, 3) New recruitment is going on a large scale. Are the corporations not operating under their conscious? In fact, that is why a regulator is required.

Food for Thought 3

Privately held corporates or the subsidiaries - Can there be a change in the company law to say that as soon as a family owned business or a subsidiary grows beyond a certain point (e.g. over 1000 crore rupees of turn over), it would be converted into a public limited company, where by law, a lot more has to be shared and revealed to the outside world. This would reduce the chances of corruption/ undue advantages/ exploitation. I am throwing this as a wild idea on the audience, the corporations and the authorities.

The boardrooms are certainly feeling discomforted by the increasing level of supervision to which they are being subjected.

Conclusion

An effective board of directors involves a combination of the right people, the right structure and the right processes. Determining the appropriate combination for each individual company is the real challenge. And policy changes are likely to affect different countries differently, depending on existing cultural and economic practices. Each company and country should consider its own circumstances before choosing the best way to improve corporate governance.

'Corporate Governance is not easy'.

For India Inc., I leave the reader with the Food that I have provided for Thoughts.

References:
The Banker, June 2002
The Business Standard
www.mckensey.com
The Economic Times

Excerpts from The IEEE LEADERSHIP WIRE

(24 February 2003)

IEEE 2002 YEAR-END NUMBERS

The IEEE ended 2002 with *more than 382,000 members in approximately 150 countries, almost 38 percent of whom are from outside the United States.

*more than 70,000 student members.
*more than 32,000 society affiliates.
*298 sections.
*more than 1,300 chapters.
*over 1,150 student branches in 79 countries.
*over 300 student branch chapters.
*37 societies and 4 technical councils.

JANUARY MEMBERSHIP HIGHLIGHTS

IEEE Membership totaled 386,977 in January with growth at 1.5 percent. For the complete Membership Development Report, visit http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

IEEE-SA ENHANCES IEEE STANDARDS ONLINE

The IEEE Standards Association (IEEE SA) has launched an updated version of IEEE Standards Online. Subscriber features include a numerical listing of IEEE standards. In addition, enterprise-level subscribers can obtain access to their online subscriptions via an IP address (without logon) or password.

For more information, visit http://standards.ieee.org/subscriptions.

TWO IEEE SOCIETIES SEEK PAPERS FOR ONLINE PUBLICATION

The IEEE Electron Devices Society and the IEEE Reliability Society are seeking papers for "IEEE Transactions on Device and Materials Reliability," a peer-reviewed archival journal available for free to IEEE members through IEEE Xplore(R). Authors are invited to submit manuscripts on the following topics:

*reliability of electronic, optical and magnetic devices and microsystems;

*the materials and processes used in the manufacture of these devices; and

*the interfaces and surfaces of these materials.

For more information, visit http://www.ieee.org/organizations/society/eds/tdmr.html, or contact Jo Ann Marsh, IEEE Electron Devices Society, at mailto:j.marsh@ieee.org.

THE IEEE OFFERS FREE TRIALS OF BIOMEDICAL ENGINEERING COLLECTION

The IEEE will offer free trials of its new IEEE Biomedical Engineering Library online subscription collection beginning 17 March. Trials are available for periods ranging from two weeks to one month. A special introductory price also is available when institutions subscribe before 30 June. Organizations can subscribe now for access starting 17 March.

The IEEE Biomedical Engineering Library collects nearly 40,000 articles and papers on biotechnology from IEEE journals, magazines, conference proceedings and standards published since 1988, as selected by relevant INSPEC (TM) classification codes.

For more information, visit http://www.ieee.org/onlinepubs. Institutions wishing to arrange a free trial may contact IEEE Customer Service at +1 800 678-4333 the U.S. and +1 732 981 0060 elsewhere.

Excerpts from SCOOP

(February 2003)

ASSOCIATE MEMBERS AS OFFICERS?

Volunteer recruitment and retention seems to be an almost universal problem for Sections, Chapters and Affinity Groups. IEEE policy does not currently allow for officer positions to be held by members of Associate grade. Do you think that policy should be changed? We'd like to know how you feel about this subject. Please take part in the poll on the Section/Chapter Volunteer Virtual Community at https://www.ieeecommunities.org/section-chapter_vol. While you are there, feel free to join in the discussions, or start a new one. This is your forum!

For first time visitors to the site, you will need to sign up by doing the following:

1. Click on "Join".
2. Choose "Option A: Create a new account".
3. Complete all fields marked with a red asterisk.
4. Read the Terms of Service and check the box to indicate agreement.
5. Click the "Join Now" box. If you have questions about the IEEE Section-Chapter Volunteer Forum, contact Denise Maestri at +1 732 562 5505 or d.maestri@ieee.org.

SAMPLE LETTERS ON WEB

To make your job just a little easier, we have letters already written for you on the following subjects:

*Acknowledgement of Contributions
*Fellows Congratulations
*Nomination for Section Officer Positions
*Speaker Invitation

All you have to do is fill in the appropriate blanks. The letters can be found at: http://www.ieee.org/organizations/rab/scs/Resources/sample_letters.htm. Do you have a sample letter that you would like to contribute or one that isn't there that you could use? Contact Vicki Waldman at v.waldman@ieee.org.

2002 RAB AWARD RECIPIENTS

In November 2002, as recommended by the RAB Awards and Recognition Committee,

the IEEE Regional Activities Board approved as the 2002 RAB Award recipients as follows:

RAB LARRY K. WILSON TRANSNATIONAL AWARD

Rolf Remshardt - IEEE Germany Section (Region 8): For exemplary contributions in bringing the benefits of IEEE members and colleagues throughout Europe and for effective fiscal and financial leadership within IEEE Region 8.

RAB INNOVATION AWARD

Luis-Alberto Arenas - IEEE Columbia Section (Region 9): For his effective and innovative contribution in disseminating the IEEE among members through modern electronic media.

RAB LEADERSHIP AWARD

Subrata Mukhopadhyay - IEEE Delhi Section (Region 10): For sustained and dedicated technical and professional leadership to the IEEE Delhi Section and Region 10.

Margaretha Eriksson - IEEE Sweden Section (Region 8): For stimulating and promoting the formation of technical chapters and promoting the value of the IEEE membership at regional conferences within IEEE Region 8.

Engy Mohamed Samir Foda - IEEE Egypt Section (Region 8): For exemplary efforts in organizing successful 2002 IEEE Region 8 Student Branch and GOLD Congresses.

RAB ACHIEVEMENT AWARD

Jan Aminoff - Northern Virginia Section (Region 2) and John Margosian - Washington, DC Section (Region 2): For significant long-term efforts at promoting the IEEE to participants at High Technology Job Fairs in the Washington Metropolitan D.C area.

R. Barnet Adler - IEEE Philadelphia Section (Region 2): For sustained and enthusiastic leadership and development of student activities within the IEEE Philadelphia Section and Region 2.

John Dentler - IEEE Baltimore Section (Region 2): For outstanding achievement in the development of a financial tool for the IEEE Baltimore Section, which facilitates the completion of timely and accurate financial reports.

Harvey S. Newman - IEEE Washington, DC Section and Roger Kaul - IEEE Baltimore Section (Region 2): For creative achievements in revitalizing and organizing activities that integrate MTT, AP, ED Technical Chapters and a WIE Affinity Group.

Issac Adeyemi Adekanye - IEEE Nigeria Section (Region 8): For outstanding efforts in facilitating the rejuvenation of the IEEE Nigeria Section and the promotion of IEEE Senior Membership.

Ricardo A. Veiga - IEEE Argentina Section (Region 9): For increasing IEEE activities and member interaction throughout the IEEE Argentina Section.

Additional information on the November RAB Meeting or RAB Awards is available at the following URL:
http://www.ieee.org/organizations/rab/rab/

IEEE SOCIETY DISTINGUISHED LECTURER PROGRAMS, ALWAYS IMPROVING

The Distinguished Lecturer (DL) programs offered by IEEE Societies offer access to more than 500 lecturers worldwide. Information about these lecturers is available online at http://www.ieee.org/organizations/tab/cialectweb2.html. From this page, you can follow links directly to an auto-retrievable e-mail or to the Society's DL page on their own website. Finding a lecturer online is easy, so is hosting a lecture online! Internet conferencing can be used to extend the reach of the DL program. Lecturers can address audiences worldwide without traveling. Internet conferencing allows for question and answer periods, instant interactions and a variety to supporting materials.

IEEE staff sets up the program based on your specific requirements. Simply visit http://www.ieee.org/web/webconf/index.html for an introduction and further information.

Submit your DL program experiences. What worked, what didn't? Do you have a great system in place? Please send all responses to April Nakamura, IEEE Technical Activities, a.nakamura@ieee.org .

IEEE MEDAL OF HONOR, CALL FOR NOMINATIONS

The IEEE Medal of Honor is the IEEE's highest award. Each year, the IEEE Medal of Honor is awarded to an individual for exceptional contributions or an extraordinary career in the IEEE fields of interest. The Awards Board invites nominations of candidates from around the globe, for this prestigious medal. For nomination forms for the IEEE Medal of Honor, visit the IEEE Awards Web Page at http://www.ieee.org/about/awards.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in early-March 2003)

Total: 1021

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	117
Life Senior Member	9
Member	321
Life Member	2
Student	350
Others	217

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	31
C016: Computer Society	136
PE031: Power Engineering Society – IA034: Industry Applications Society	90
COM019: Communications Society	88
EM014: Engineering Management Society	17

Student Branch	Strength
2591901: DCE, Delhi	73
2590001: IIT, New Delhi	15
2534811: NSIT, New Delhi	33
2534861: JMI, New Delhi	57
2503861: BITS, Pilani	2
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	3
2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0/0~~
41427869: CR State College of Engg., Murthal	17
2518443: PEC, Chandigarh	6

IEEE
Networking the World™
ieeedelhinews
vol 03 no 04
april 2003

From the desk of ECC

Dear *esteemed colleagues*,

Sorry, this time you had to wait a bit. I couldn't bring out the issue on account of non-receipt of web-based membership database. Yes, it has increased marginally. Still we have to go a long way. On the student front out side Delhi, it still continues to be 'wash-out' condition, presumably on account of hike in annual subscription.

In the mean time due to menace of SARS (Severe Acute Respiratory Syndrome) at the last moment our IEEE Region 10 Meeting has been postponed indefinitely. Alternatively, through e-mail exchanges, lot of discussions are taking place on policy matters and coordination of activities, for which delay may not be acceptable. One such issue is proposal of holding TENCON2006 and TENCON2007. Delhi had it earlier in 1991 and 1998. We have to see whether or not we can again do it and if so, when?

Proposals for our local technical and professional activities are not forthcoming. Please feel free to write to me in this regard, at least for evening lectures by experts known to you (including you, of course) in topics ranging from micro to mega parameter handling ones. I mean, in the fields of computer, communication, electronics, control, circuits and systems, power, machines and drives, management or any other field covered by IEEE.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
April 11, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

Not yet proposed for the current month.

The Unnoticed Attack.....

Daman Dev Sood

Even though the internet has proved itself to be resilient, internet hackers have proved to be even more resilient and determined. As more businesses grow to be reliant on the internet, the importance of security increases. The days when only the anorak hacker could gain unauthorised access to your site have gone. These days, any amateur hacker can download the latest hacking tool, point it at your internet service and gain access if you haven't secured it properly. **You could be attacked without even knowing about it.**

To see the extent of this problem, go to any search engine on the internet and type 'internet hacker tools' and you will get a list where to find the tools of the trade. This might seem alarming, although it's not as bad as it looks, as system administrators also use these tools in their line of work, for example to rediscover a lost password.

Your internet services could be hacked for a wide range of reasons, from using your services to spread spam, to using your services to distribute pirated software and music, as well as pornographic material. And let's not forget the urge some hackers have to be destructive or simply prove they can do it.

Making sure your system is configured properly will reduce the risk of attack. This

will not eliminate all types of attacks, as some are hard to protect yourself from. These types of attacks tend to be the ones that you don't know about.

Hackers focus on software bugs that leave holes in the system, which can then be exploited. 'All software has bugs' may sound like a strong statement to make, but it is a necessary assumption to make when protecting your internet services.

Security consultants that want to make a name for themselves are constantly discovering security holes in server applications. You need to regularly read the relevant forums to identify the security holes within your environment in order to apply the latest patches to plug them.

Another way to protect your internet services from undiscovered security holes is to place a firewall between your server and the internet. This prevents hackers gaining access to your servers through the internet.

The firewall plays a critical role in protecting your internet services. **Not having a firewall is like leaving your brand new car in a bad neighbourhood without an alarm.** The firewall is the first line of defence against hackers and is essential if you want to secure your systems from unwelcome visitors.

Exploitation

Firewalls are not 100% hacker-proof, however, because they again have 'bugs' or 'holes' in them that hackers will know about and exploit. It is therefore advisable that you never advertise the type of firewall you use in securing your internet services. Although there is no 100% hacker-proof solution, good configuration, firewall protection and applying software patches regularly, will substantially reduce the risk of anyone gaining unauthorised access to your systems.

In spite of all your efforts someone can still gain access to your system. Access logs on your servers should be constantly monitored for unauthorised access or any activity that is out of the ordinary. All server-based operating systems are able to log these types of activities and it is essential that they be regularly reviewed.

Another approach is to hope that your site will go unnoticed and that the skilful hackers will be too busy with 'bigger fish to fry' to prove their invincibility. If you opt for this approach, please make sure that your internet services are not critical to the bottom line and that it's not an essential part of your business.

References:

Guide to Hosting and Connectivity,
Internet World UK

Excerpts from The IEEE LEADERSHIP WIRE

(01 April 2003)

This issue is online at
http://www.ieee.org/newsinfo/lwire41.xml

February Membership Highlights

In February, IEEE membership totaled 294,338. This represents a 14.9 percent decrease from February 2002, most of which is explained by changes in the IEEE's renewal cycle.

These changes include deactivating Life Members who did not return their renewal profiles, and moving the renewal grace period for members in Regions 8-10 to coincide with that of Regions 1-7. Life Members whose memberships were inadvertently terminated will be reinstated upon request. Memberships for those who did not renew by February were terminated and placed in arrears.

For more information, read the Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

"Annual Statistics of the IEEE" Available Online

The "2002 Annual Statistics of the IEEE" is available on the IEEE Web site at

http://www.ieee.org/organizations/corporate/secrpt/. It is accessible from the Volunteer Resources or About the IEEE pages. An IEEE Web Account is required. **IEEE *Xplore*® Updates Search Options** Both the Basic and Advanced IEEE *Xplore*® search options have been enhanced. Researchers may now identify more types of publications to search or exclude, and limit query results to any publication-year range from 1950 forward. **IEEE Foundation Issues New Grants** At its March Board of Directors meeting, the IEEE Foundation authorized more than US$60,000 in new grants to support projects that

*encourage collaborations between engineers and local school districts;

*cultivate the next generation of engineers; and

*increase the understanding of the complex interactions between science, technology and society.

A full list of the grants awarded so far this year is available at http://www.ieee.org/organizations/foundation/html/2003grants.html.

IEEE Power & Energy Magazine Launches First Issue

The entire first issue of *IEEE Power & Energy Magazine*, one of three new IEEE periodicals launching this year, is available online at http://www.ieee.org/organizations/society/power/subpages/emag/pe/public/2003/jan/Current1A.htm, as well as in IEEE *Xplore*®. Online access to most feature articles in future issues will be limited to IEEE Power Engineering Society members only. The magazine focuses on advanced concepts, technologies and practices associated with all aspects of electric power with regard to business, environmental and social concerns.

EAB Seeks Nominations Submitted Via New Electronic Process

The IEEE Educational Activities Board (EAB) has created an electronic awards nomination process and is currently accepting nominations for the following honors:

- IEEE EAB Meritorious Achievement Award in Accreditation Activities
- IEEE EAB Meritorious Achievement Award in Continuing Education
- IEEE EAB Major Educational Innovation Award
- IEEE EAB Pre-College Educator Award
- IEEE EAB Meritorious Service Citation
- IEEE EAB Employer Professional Development Award
- IEEE EAB Sections Professional Development Award (New for 2003)

Award descriptions, nomination instructions, applicable honorarium details and nomination forms are available at http://www.ieee.org/organizations/eab/arc/awards/callnominations.htm. Nominations are due by 30 April.

For more information, contact Rae Toscano, IEEE Educational Activities, at mailto:r.toscano@ieee.org.

Technology-education Companies to Sponsor New IEEE Medal

Four technology-education companies -- The MathWorks Inc., National Instruments Foundation, Pearson Prentice Hall and Xilinx Inc. -- have agreed to sponsor the IEEE James H. Mulligan, Jr. Education Medal from 2004 to 2006. This medal is presented annually to an individual with a career of outstanding contributions to education in the IEEE's fields of interest. This year's sponsor is the IEEE Life Members Committee.

To learn more about the IEEE Awards Program, visit http://www.ieee.org/awards.

Excerpts from SCOOP

(March 2003)

WANTED, ARREARS MEMBERS! BOUNTY OFFERED!

All members in Regions 1 through 10 who did not renew their IEEE membership for 2003 were placed into arrears as of 21 February 2003. We are asking all IEEE Sections to participate in an effort to recover

these members, and we're offering an incentive for you to do so.

Under this new program each Section will receive $5.00 for each full dues paying arrears member they are able to recover between now and 31 August 2003. Payment under the program is limited to the recovery of full dues paying members (no incentive rebate will be paid for recovered members renewing under a reduced dues program, such as Students, Unemployed, Retired, Life Members, Minimum Income, etc.). However, Sections are also encouraged to contact arrears members in these other dues categories and solicit their renewal as well.

Here are the program guidelines:

* Section volunteers are encouraged to contact members in arrears through email, regular mail, telephone and/or fax and encourage them to renew their membership.

* To receive credit under this program, arrears members are required to renew their membership through the web at the following URL:
http://www.ieee.org/recovery.

* Sections will receive $5 each for the recovery of any full dues paying members during the period of 10 March through 31 August 2003.

* Arrears members who wish to pay their dues by a method other than credit card may still use the online web application form, but rather than entering a credit card number after completing the form, they can print and mail the completed form with their payment instead. (Those paying via credit card, of course, can simply submit the renewal application electronically once they have completed the online form.)

* The results of the pilot program will be distributed through the SCOOP newsletter and Membership Development Progress report.

* Payments for successful recoveries under this program will be included in the 2004 Section rebate check.

Interested Section volunteers can request a listing of all their arrears members, sample telephone scripts and sample outreach letters for use in conducting their outreach. For these items, or more information regarding this project, please contact Felicia Taylor at f.taylor@ieee.org.

300 IEEE SECTIONS

With the approval of the formation of two new Sections at the February Regional Activities Board meeting, IEEE now has 300 Sections worldwide. The newest Sections are the Russia (Northwest) Section and the Russia (Siberia) Section. A list of all IEEE Sections, Subsections and Councils can be found on the web in downloadable PDF format at
http://www.ieee.org/scs, select the link on the left hand menu for "Resources for Officers", then "Reference Materials," or go straight to
http://www.ieee.org/organizations/rab/scs/Resources/Reference_materials.htm.

Brain Teaser Challenge Solution - February 2002 Butch Shadwell

Last month we talked about a woodworking problem that involved using a wedge, one example of a simple machine, to force a dado joint to seat properly. The joint needed 200 pounds of force to seat and we wanted the carpenter to have to apply only 25 pounds of effort. In this case there was no friction between the wedge and either surface. The first part of the question was "What is the angle at the tip of the wedge to produce this effect?" Since we are talking about an 8 to 1 mechanical advantage, the tangent of this angle must be .125 (i.e. 1/8). When one looks up the arctangent of this value we see that this angle is approximately 7.1 degrees. The second part of the question was to calculate how far the wedge had to be inserted to move the load 1 inch. As with all most simple machines we exchange and increase in force applied to the load for a proportionally lower amount

of displacement. So, it would take eight inches of wedge movement to move the load one inch. But I bet you already knew that.

Brain Teaser Challenge - March 2003 Butch Shadwell

Humans consider themselves pretty highly evolved. After all, we are the masters of this planet, even if it is really only a spec of dust in the universe of matter. We get to run things around here.

Well I guess the laws of physics really get the last word as far as physical reality is concerned. If I have a bar magnet and I measure the lines of force 2cm from one end directly along the axis of the magnet, and I get 80 gauss, what should I read at 4cm if all other fields and influences are cancelled? For extra credit, how many gauss make a tesla?

Reply to Butch Shadwell by March 20 at b.shadwell@ieee.org. (http://www.shadtechserv.com) The names of correct respondents may be mentioned in the solution column.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-March 2003)

Total: 1172

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	126
Life Senior Member	9
Member	353
Life Member	2
Student	444
Others	233

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	35
C016: Computer Society	147
PE031: Power Engineering Society – IA034: Industry Applications Society	97
COM019: Communications Society	97
EM014: Engineering Management Society	20

Student Branch	Strength
2591901: DCE, Delhi	87
2590001: IIT, New Delhi	35
2534811: NSIT, New Delhi	57
2534861: JMI, New Delhi	56
41511929:Amity, New Delhi	38
2503861: BITS, Pilani	2
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	3
2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0/0~~
41427869: CR State College of Engg., Murthal	17
2518443: PEC, Chandigarh	7

IEEE
Networking the World™

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may 2003

From the desk of ECC

Dear *esteemed colleagues*,

Well, summer has set in. After the exams, institutes are going to be somewhat closed for the holidays. Our activities too are in slow pace, except that Dr. Kathuria from Japan on a short visit to Delhi shall be delivering a lecture on an interesting topic for which you will find the details just in the following part. Daman hasn't forgotten us; so an interesting article from him. These all, along with other usual features (sans membership statistics), I am reaching you humbly in this edition of our section e-newsletter.

Oh, before I forget – Section's HARD COPY newsletter, or more appropriately now, house journal coming with articles on Communications shortly. Please post contribution from you or your friends working in this area to Dr. Ram Nath at ramnath@bhelindustry.com at the earliest.

Bye for now.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
May 05, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

May 21, 2003 (*Wednesday*): 6-00 P.M.: Committee Room, EE Dept., IIT Delhi: A talk on 'Laser / Optics Applications in Manufacturing' by Dr. rer. nat. Y. P. Kathuria, Department of Robotics, Faculty of Science and Engineering, Ritsumeikan University, 1-1-1 Noji-Higashi, Kusatsu-shi Shiga-ken 525-8577, Japan

Call for participation in Tutorial on "Intelligent Control of ac Motor Drive and Systems"

Sept 26-27, 2003: Committee Room, EE Dept., IIT Delhi: *Two-day* tutorial organized by PES-IAS Delhi Chapter and EE Dept. of IIT Delhi with **IAS Distinguished Lecturer Prof. Alfio Consoli** of Department of Electrical, Electronic and Systems Engineering, University of Catania, Italy covering the topic '**Sensorless control of AC drives**' (for details contact Prof. Bhim Singh of Elect. Engg. Dept., IIT Delhi at bsingh@ee.iitd.ernet.in or Dr. G. Bhuvaneswari at bhuvan@ee.iitd.ernet.in)

Congrats to Shivaani

Shivaani Gupta, a student member of IEEE and Computer Society Student Branch Chapter at Punjab Engineering College, Chandigarh has been selected for awarding the Upsilon Pi Epsilon / Computer Society (UPE/CS) Scholarship for Academic Excellence for the year 2002.

The UPE/CS Scholarship is awarded to encourage academic excellence for students in the computing discipline. Up to four awards of $500 each are given each year to competition winners. Winners also receive a certificate of commendation, and the choice of one Computer Society book or periodical subscription for one year.

The UPE award criteria requires the same minimum grade point average that UPE membership requires, which is currently a minimum of 3.0 out of a possible 4.0 is required.

Shivaani Gupta is an excellent academic performer through out and is presently the topper of her class at the Dept. of Computer Science and Engineering, Punjab Engineering College, Chandigarh. She is also an active member of the IEEE Student Branch and IEEE Computer Society Student Branch Chapter at PEC. She served as a membership development chair in the Computer Society Chapter during 2002.

Reaching Out To Customers

— A Case Study

Daman Dev Sood

This case study once again proves that IT can be deployed systematically to increase Customer Interaction/ Satisfaction and hence Business Results.

Using live-chat tools helped the American Airlines Federal Credit Union improve its customer service and cut costs

In a nutshell:

- **Website traffic increased 75% after implementing the live-chat system**
- **Customer service was improved by allowing customers to talk to 'real' people while they were online**

American Airlines Federal Credit Union (AAFCU) is $3.7 bn, 220000 members strong company that finances vehicles such as cars, boats and airplanes, and other high-ticket items like mortgages, vacations and education costs.

The AAFCU is the seventh largest credit union in the US. With so many members potentially located across the globe, AAFCU wanted to bolster its handling of customer inquiries and interactions. ***Providing its customers with excellent customer service was of the utmost importance.***

The company also wanted to distinguish itself from other credit unions and financial institutions. To accomplish this goal, it implemented live-chat tools and a self-service knowledgebase on its website.

In the beginning...

Prior to going live with chat and self-service solutions, AAFCU communicated with members strictly through phone and email. These methods worked, but the company wanted to provide ***additional avenues for customer interaction***. Additionally, it felt that email communication sometimes ***lacked the feeling of real human exchange,*** so it wanted to introduce ways for members to feel like they were dealing with a 'real person'. User feedback also revealed that some customers were inconvenienced by having to call the company while browsing the site if they had a question or concern - a problem that live-chat capabilities could solve.

Clumsy process

'If somebody is on a company's website,' and they have a question and want to speak with one of the company's agents - and if they only have one telephone line at the time - they would have to disconnect and then pick up the phone and call the company. Then the company agent would have to tell them where on the website to go and look. They'd have to hang up with the company and then dial back into the internet, reconnect to the website, and then go back to that page.'

(I personally had such experiences even in India and, believe me, really thought there was a solution like this one adopted by AAFCU).

Before it implemented the chat feature on its site in April 2000, the credit union did not initially have plans for new customer-care initiatives, although customer service remained a priority. The live chat tool allows customers to access chats with member-service representatives from any page on

the site and have real-time conversations. The tool also allows the company to set up canned responses that the member-service representatives can use to answer common questions.

The tool uses SSL encryption to provide a secure means for members to share their secure-financial information with the representatives. This was an important feature for AAFCU, since, as a financial institution, it is required to comply with industry security regulations.

Training of the company's executives on the chat tool did not take much effort.

In August 2002, AAFCU added another tool on its website for its MultiCARE self-service and secure email platform. It uses a natural language processing engine to search AAFCU's knowledgebase and provide answers to common questions.

Fielding calls

What company tried was to get more of their members online using the self-help tools, so that it could free up some of the telephone calls that were coming in.

The company was only open in its call center until 7pm and if a member had a question at 9pm or 10pm and they wanted an answer, the company wanted to be able to provide them with that answer at that time. With AAFCU's spread across the globe, its members could be anywhere in the world at any given time.

With the implementation of MultiCARE self service tool the things have changed and eased out: If customers have a question regarding their account, the company has that frequently asked question already out there for them.

Implementing the MultiCARE solution took the company a little longer - roughly a month - since it had to create frequently asked questions and the answers for those questions, and then thoroughly review them all.

Since implementing the chat functionality, AAFCU conducts roughly 2,500 chat sessions each month with its clients, which are handled by as many as five member-service representatives that are logged into the system at one time. While this has not decreased the volume of calls to the call center, the company still feels the implementation was beneficial, since it was only its intention to increase customer contact points. However, it immediately reduced the number of incoming emails after putting the MultiCARE system in place.

They were getting about 4,000 emails each month and saw an immediate decrease of approximately 1,200 emails in the first month.

For the AAFCU, customer service has improved and website traffic has also increased 75%, as members are encouraged to use the site to answer questions and transact with representatives.

Reaping Good Benefits – Isn't It?

References:

Internet World UK

Excerpts from The IEEE LEADERSHIP WIRE

(01 May 2003)

**This issue is online at http://www.ieee.org/newsinfo/lwire51_1.xml

MARCH MEMBERSHIP HIGHLIGHTS

In March, IEEE membership totaled 308,192. Although this represents an apparent 14.7 percent decrease from March 2002, as reported last month, most of the decline is the result of changes implemented in the 2003 renewal process. This situation will largely normalize by the end of April, at which time a more accurate comparison to 2002 will be possible.

For more information, read the Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

IEEE ONLINE PROMOTIONAL LIBRARY MAKES ADS AVAILABLE

IEEE print and Web publishers now have access to hundreds of free ads for IEEE products and services through the IEEE Online Promotional Library. These ads have appeared in The Institute, IEEE Spectrum, on the IEEE home page and in various other IEEE media.

Web ads are available for immediate download. IEEE staff and volunteers may request print ads through an online form; ads will be shipped on a CD within seven business days. All users must register online to receive any ads.

The IEEE Online Promotional Library is located at http://www.ieee.org/promolibrary.

VIRTUAL MUSEUM LAUNCHES NEW MICROWAVE EXHIBIT

The IEEE Virtual Museum (VM) has launched a new exhibit, "Microwaves: From Your Kitchen to the Edges of the Universe." The exhibit highlights the various ways microwave technology impacts daily life and, like all VM exhibits, explains how the technology works and fits into historical and social contexts. "Microwaves" was sponsored and largely written by the IEEE Microwave Theory and Techniques Society.

Visit the museum at http://www.ieee.org/museum.

Excerpts from SCOOP

(April 2003)

BIANNUAL SCOOP ISSUE FOR TREASURERS TOO

IEEE Section/Chapter Support will no longer produce the separate biannual newsletter "Dollars and Sense" for Unit Treasurers. The information and articles that would have been included in that newsletter will now be incorporated into a special biannual (April and October) edition of SCOOP. These expanded issues of SCOOP will include Unit Treasurers in the distribution.

E-NOTICE: AUTOMATED ELECTRONIC NEWSLETTERS!

Initial development of an automated electronic newsletter service, e-Notice, for use by unit volunteers has been completed. This capability was used for the rollout of the IEEE Institute Online Alert. The service is currently being piloted by IEEE Canada, the San Francisco Bay Area Council, the Fort Worth Section, IEEE Power Engineering, Solid State Circuits, and Broadcast Technology Societies.

The key components of the service are:

* The Section provides the mail piece
* Staff creates the distribution list
* Staff sends the message
* Staff manages the unsubscribes
* Staff tracks the mailing statistics
* Staff manages the bounces

Not all phases of the e-Notice service are completely automated for staff. However, since this service will significantly reduce the time and energy needed to maintain an electronic mailing list for an organizational unit, Sections are now invited to participate. For more information or to register visit: http://www.ieee.org/e-notice.

ENCOURAGING CONTINUED VOLUNTEER INVOLVEMENT

How can you keep your volunteers? One way may be positive reinforcement in the form of praise, recognition and feedback. These are proven methods of encouraging continued volunteer involvement and are often the crux of volunteer retention. Keeping in mind that not everyone likes to recognized in the same way, here are some ideas:

but state detail "we really appreciate the fact that you take the time to reconcile the bank statements each month and to keep us within our planned budget.").

others.

page.

locally or through Section/Chapter Support. See the "products" link at http://www.ieee.org/scs).

from the Vice President of Regional Activities. (available at no cost through IEEE Section/Chapter Support. The request form is on the web at http://www.ieee.org/scs, select the button for "FORMS.")

"ANNUAL STATISTICS OF THE IEEE" ONLINE

The "2002 Annual Statistics of the IEEE" is available on the IEEE Web site at http://www.ieee.org/organizations/corporate/secrpt/. It is accessible from the Volunteer Resources or About the IEEE pages. An IEEE Web Account is required to access these pages.

FARADAY LECTURE 2003, VIDEO TAPES AVAILABLE

Did you miss the opportunity to take part in the live presentation of the February 2003 IEE Faraday Lecture? The IEE Faraday Lecture is designed for 14-16 year-old students and is presented by a team of six specially chosen presenters, all talented young scientists. This year's subject, "Fighting Crime with Science," interactively simulates a police investigation using optics and computers to construct a crime scene and demonstrate the growing role for technology and forensics in creating a safe society. Copies of the 2003 Lecture are now available on videotape at the cost of $15USD.
Please contact Celeste Torres at c.torres@ieee.org or phone +1 732 981 3425. For more information on the Faraday Lectures, go to http://www.ieee.org/organizations/eab/precollege/faraday/index.htm.

TECHNICAL SYMPOSIA GRANT PROGRAM 2003

In 2002, IEEE Regional Activities provided grants of $500 each to ten events in five of the IEEE's 10 Regions. The 2003 program is underway, and one symposium has already been funded in Greece. The guidelines have changed slightly for 2003: priority will be given to those units who have not been funded in the past; events shall be one day in length; and recurring (or annual) events shall not be funded.

For more information and the grant request form visit http://www.ieee.org/scs and click on "FORMS". Please direct questions to Tracy Hawkins (t.hawkins@ieee.org).

UNIT RESERVE GUIDELINES

Each IEEE Organizational Unit that generates revenue, or is authorized by the IEEE Board of Directors to receive assessments or a portion of IEEE dues, may have custodial responsibility for a portion of IEEE Reserves, to the extent determined by the Board of Directors (Policy Manual 11.4.A).
Reporting of the reserves will be included in the year-end reports (Financial Operations Manual 4.A).

Unit reserves should be adequate but not excessive. As a general guideline, a reserve up to three times the annual rebate, after known commitments and unusual requirements are deducted, would be considered reasonable.

In special circumstances, such as being in a good location for conferences, some Units can provide outstanding services to their members as well as generate surplus funds. In keeping with the policy of avoiding large reserves, the level of activity should be increased so as to best serve the interests and needs of the membership. This can be done through additional meetings, conferences, educational programs, publications, etc., or by putting these funds to work elsewhere in the Institute, through Regional Activities, Technical Activities, Educational Activities, or other Sections, Chapters, or Branches within the Region. (Policy Manual 9.7. The IEEE Policy Manual can be found in PDF format on the web at http://www.ieee.org/policies)

FINDING ANSWERS TO YOUR FINANCIAL QUESTIONS

A quick and easy reference for answers to your financial questions is the Treasurer's Handbook. It can be found on the web at http://www.ieee.org/treasurers. Often under revision to provide the most current information, each category includes an IEEE staff contact in case you have additional questions. Some of the subjects covered are: required financial reports, funding, solicitations, travel expense guidelines, record retention schedules, and banking and investment guidelines.

Another resource for financial information is the "Financial Operations Manual", available in PDF format at http://www.ieee.org/organizations/vols/

Look for the file in Administration/Finance under the heading "Resources for All Volunteers."

IEEE
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From the desk of ECC

Dear *esteemed colleagues*,

With scorching summer almost in the entire plains of our country and in particular territory of our Delhi Section experiencing mercury over 45^0 Celsius, the things are moving very slow. Like previous years for this time of the year we haven't arranged for any talk. Possibly by July-end we would start our activities again. In the meantime I request you to look for possible speakers in the areas of interest to IEEE Members, like, Computer, Control, Communication, power, electronics, industry applications, circuits and systems, engineering management, broadcasting, etc. and communicate me.

With the SAMIEEE totally undergoing changes, somehow membership database updating is not immediately available. That's why please bear with me, I am furnishing membership statistics corresponding end-April 2003 only. Besides this other regular features based on collections from Leadership Wire, SCOOP, calendar of events and Daman's column are appearing in the current issue.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
June 08, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

Call for participation in Tutorials on:

"Intelligent Control of ac Motor Drive and Systems"

Sept 26-27, 2003: Committee Room, EE Dept., IIT Delhi: *Two-day* tutorial organized by PES-IAS Delhi Chapter and EE Dept. of IIT Delhi with **IAS Distinguished Lecturer Prof. Alfio Consoli** of Department of Electrical, Electronic and Systems Engineering, University of Catania, Italy covering the topic '**Sensorless control of AC drives**' (for details contact Prof. Bhim Singh of Elect. Engg. Dept., IIT Delhi at bsingh@ee.iitd.ernet.in or Dr. G. Bhuvaneswari at bhuvan@ee.iitd.ernet.in)

"SCADA Systems and Substation Automation"

Dec 2-3, 2003: Committee Room, EE Dept., Jamia Millia Islamia, New Delhi: *Two-day* tutorial organized by PES-IAS Delhi Chapter and EE Dept. of Jamia with **PES Distinguished Lecturer Mr. John D. McDonald** of Kema Consulting, USA (for details contact Prof. Mini S. Thomas of Elect. Engg. Dept., Jamia Millia Islamia, New Delhi at mini@ieee.org or Dr. S. Mukhopadhyay at subrata@ieee.org)

IEEE PES-IAS Delhi Chapter wins PES Outstanding Chapter (Large) Award

According to the information available from PES our PES-IAS Chapter has won the PES Outstanding Chapter Award under Large Chapter (having membership > 100) category. In fact this Chapter won similar Award under Small Chapter category also three years back, which is a unique distinction in the history of PES.

FOR ONCE I FEEL PROUD NOT SEEING INDIA ON TOP OF THE TABLE !

Dear Readers, This is third year in a row of this reporting (and with the same caption). India continues to be in the table and

actually on the 16th spot. And it is reported sadly because the table in the table in question is the one containing World Software Piracy Rates.

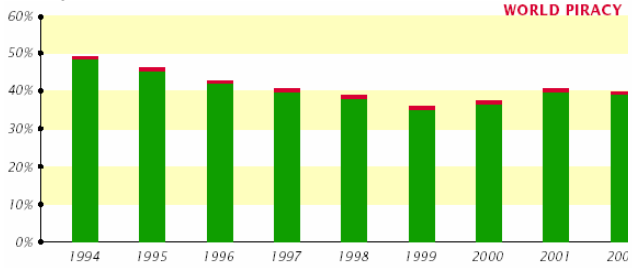
Let's have a look at the following table:

Top 25 Countries by Piracy Rate

S. No.	Country	Piracy Rate in 2002 (%)	Piracy Rate in 2001 (%)	Piracy Rate in 2000 (%)	Piracy Rate in 1999 (%)
1.	Vietnam	95	94	97	98
2.	China	92	92	94	91
3.	Other CIS	90	87	89	90
4.	Indonesia	89	88	89	85
5.	Russia	89	87	88	89
6.	Ukraine	89	86	-	-
7.	Pakistan	80	83	83	83
8.	Nicaragua	77	78	78	80
9.	Thailand	77	77	79	81
10.	Bahrain	76	77	80	82
11.	Qatar	76	78	81	80
12.	Bolivia	74	77	81	85
13.	Lebanon	74	79	83	88
14.	Kuwait	73	76	80	81
15.	Paraguay	71	72	76	83
16.	India	70	70	63	-
17.	Oman	70	77	78	88
18.	Romania	70	75	77	81
19.	Zimbabwe	70	68	59	-
20.	Other Asia Pacific	69	-	-	-
21.	Bulgaria	68	75	78	80
22.	El Salvador	68	73	79	83
23.	Malaysia	68	70	66	-
24.	Phillippines	68	-	-	-
25.	Nigeria	67	71	67	68

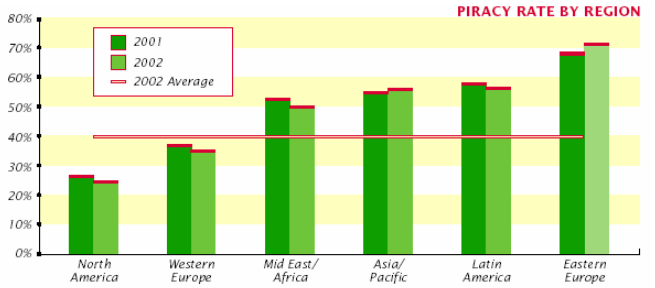
The results are based on 8th annual study for the BSA (Business Software Alliance).

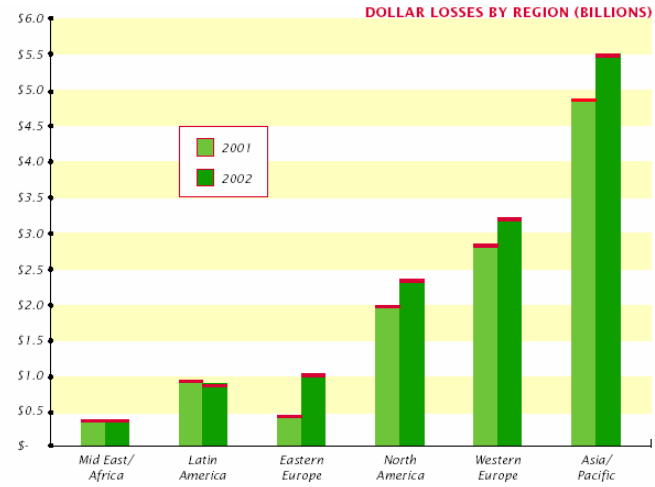
The following presentation shows the World Piracy Rate since 1994:



The lowest piracy rate was recorded in 1999 (35%), it had been increasing since then, but in 2002 the world has shown improvements again.

The following two representations show region wise piracy rate and revenue losses:





The following presentation shows the region wise improvements in piracy rates between 1994 (first study) and 2002 (the last study):

Regional Improvements in Piracy Rates 1994-2002

Region	1994	2002	Point Change
Middle East/Africa	80%	49%	**31**
Latin America	78%	55%	**23**
Western Europe	52%	35%	**17**
Eastern Europe	85%	71%	**14**
Asia/Pacific	68%	55%	**13**
North America	32%	24%	**8**

Of the countries that improved their piracy rates in its region, Kenya improved the least, dropping fifteen points, from 82% in 1994 to 67% in 2002, but still manages to stay out of top 25.

India has improved only seven points in its own region, during the same period.

Guatemala had the largest drop in its region, thirty-three points, from 94% in 1994 to 61% in 2002, and managed to stay out of the top 25 table this year.

:- Daman Dev Sood

(Source: Software Piracy Report for BSA, Internet)

Excerpts from The IEEE LEADERSHIP WIRE

(02 June 2003)

CANDIDATE WITHDRAWS FROM 2003 IEEE ELECTION

Vijay K. Bhargava of Victoria, British Columbia, Canada, has withdrawn his name from the list of candidates for the position of IEEE President-Elect, 2004. Remaining candidates include W. Cleon Anderson of Salt Lake City, Utah, USA, and Michael Lightner of Boulder, Colo., USA.

For a complete list of the 2003 candidates, visit http://www.ieee.org/organizations/corporate/candidates.htm.

APRIL MEMBERSHIP HIGHLIGHTS

In April, IEEE membership totaled 317,527. Membership statistics that had been offset by changes to the 2003 renewal process are now beginning to normalize. However, the termination of Life members who did not return their 2003 renewal profiles is still obscuring the statistics for higher-grade U.S. members and will probably continue to do so for the rest of the year.

Overall, membership has declined 4.1 percent from April 2002. By taking into account Life members currently in arrears, the adjusted comparison improves to a 2.3 percent decline.

For more information, read the complete Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

SECTIONS CONGRESS 2002 REPORT AVAILABLE ONLINE

The final report from Sections Congress 2002 is now available at http://www.ieee.org/sc. To view the document, click on "2002" and then "Final Report" in the left menu bar. Visitors who experience difficulties accessing the large PDF file may request a print copy by contacting Donna McClelland at mailto:d.mclelland@ieee.org.

Additionally, Regional Activities is soliciting ideas for a theme for the next Sections Congress to be held 14-17 October 2005 in Tampa, Fla., USA. To submit topics and participate in the theme discussion, visit the IEEE Section/Chapter Volunteer Virtual Community at https://www.ieeecommunities.org/section-chapter_vol or send ideas to Tracy Hawkins at mailto:t.hawkins@ieee.org.

STUDY REVEALS IEEE JOURNALS PRICED 42 PERCENT BELOW INDUSTRY AVERAGE

IEEE magazines, transactions, journals and letters are priced significantly lower than those from other publishers, according to the 2003 IEEE Journal Pricing Study. The annual study looks at prices based on an average 500-page journal. It shows that in 2002, the average institutional price of an IEEE periodical was 42 percent less than the average list price of a comparative electrical engineering or computer science publication.

For more information, visit http://www.ieee.org/products/onlinepubs/0503_01.html.

IEEE LAUNCHES FIRST ELECTRONIC FELLOW NOMINATION PROCESS

The IEEE Fellow Committee has launched a system that, for the first time, enables the

electronic submission of IEEE Fellow nominations, references and endorsements.

To access the system, visit
http://www.ieee.org/fellows.
Email questions or comments to
mailto:fellows@ieee.org.

VA. TEEN RECEIVES IEEE PRESIDENTS' SCHOLARSHIP

On 15 May, IEEE President-elect Arthur Winston presented the IEEE Presidents' Scholarship to 16-year-old high-school senior Elizabeth Van Cortlandt Varela from Alexandria, Va., USA, at the Intel International Science and Engineering Fair (ISEF) in Cleveland, Ohio, USA. A team of IEEE judges selected Elizabeth's project, "A Magneto Hydrodynamic Direct Current Transformer," from among 1,300 others. "The Institute" will include a story on her in its June online edition.

The US$10,000 scholarship, supported by the IEEE Foundation, is the largest award given at ISEF in the Special Awards category. The IEEE Cleveland Section also presented two awards at the ceremony for US$750 and US$250.

IEEE AWARD TO RECOGNIZE CONTRIBUTIONS TO POWER INDUSTRY

The Robert and Ruth Halperin Foundation awarded the IEEE Foundation a grant in support of the IEEE Herman Halperin Electric Transmission and Distribution Award. The award is named for Herman Halperin in recognition of his distinguished career and contributions to the power industry. It will be presented annually to an individual or team of up to three for outstanding contributions to the field of electric transmission and distribution.

For more information about the IEEE Awards Program, visit
http://www.ieee.org/awards.

Excerpts from SCOOP
(May 2003)

FIND CONFERENCES SCHEDULED IN YOUR SECTION

There may be opportunities in a number of Sections for enhancing technical opportunities. IEEE Societies have hundreds of conferences around the world each year. These conferences may be held in the geographic area of your Section or in a neighboring Section. The IEEE Conference Search Web Page can help your Section identify conferences that will be held in the territory of your Section. The web address is http://www.ieee.org/conferencesearch/. There is a sheet for each conference with information on contacts, locations, and dates. The Conference Search database can be searched for city, state, Region, by sponsor, and by year.

For near term conferences, there may be a possibility of setting up a Section meeting with a world-renowned speaker who is in town for the conference. The conference organizers may be able to get your Section a discount for the meeting room.

Your Section may be able to provide an educational opportunity for members who are not Society members by informing them and getting access to a conference without travel.

There may be a revenue opportunity for conferences that are in the planning stages, your Section can provide volunteers and operational support in areas such as registration, photography, finance, guest programs, and other volunteer tasks. The conference organizers probably won't contact you, but if you contact them with information about what you can do for them, they may be interested and may negotiate a sharing of profit.

The other opportunity is to meet active IEEE members in your Section. Ask if you can attend a local organizing committee meeting, and meet active IEEE members that you might not normally meet. Invite them to Section meetings. You may even be able to recruit them for a Section office!

CALL FOR RAB AWARD NOMINATIONS:

The strength of IEEE is the work of the volunteer at the local level. Without the efforts of the local volunteer, IEEE would not be able to promote the understanding of the influence of technology on the public welfare. These volunteers need to be recognized for their efforts, we don't recognize the local volunteers enough for their work or the impact they have on society.

The RAB Awards and Recognition Program seeks to honor the outstanding efforts of some of the most invaluable IEEE Volunteers who have made substantial Regional contributions through innovative projects, exemplary leadership, service, and by fulfilling the goals as related to Transnational Activities. Each prestigious award has a unique mission and criteria, and offers the opportunity to honor distinguished colleagues, inspiring teachers and corporate leaders. We are currently accepting nominations for the following RAB Awards:

These awards, the most prestigious RAB has to offer, are designed to recognize outstanding efforts by IEEE volunteers. These are NOT technical achievement awards. The deadline for nominations is 15 October 2003. You can submit award nominations online by visiting the following web page: http://www.ieee.org/rabawards.html.

As the nomination process, and the requisite documentation, takes its own time, I would recommend an early start.

If you have any queries please do not hesitate to contact Hans Peek, Chair - RAB Awards & Recognition Committee, at rab-awards@ieee.org

REMINDER - BOUNTY OFFERED FOR ARREARS MEMBERS!

The Section arrears recovery pilot program is underway. All Sections are eligible to participate in this program, which awards Sections for recovering full dues paying members. Under this program, each Section will receive $5.00 for each full dues paying arrears member recovered between now and 31 August 2003.

Don't miss an opportunity to help recover arrears members and earn additional funds for your Section. For more information about this program contact Felicia Taylor at f.taylor@ieee.org or visit the web at http://www.ieee.org/organizations/rab/md/arrears_recovery_prog.html.

ACCESS HUNDREDS OF IEEE ADVERTISEMENTS

IEEE publications and Web sites now have access to hundreds of print ads and Web graphics free of charge through the IEEE Online Promotional Library.

The ads in the IEEE Online Promotional Library were created by the IEEE Creative Services team on behalf of the IEEE businesses they serve. These ads have appeared in The Institute, IEEE Spectrum, at www.ieee.org, and in numerous other IEEE media to extend the IEEE messages of value, quality and service to the profession.

IEEE publishers may browse print or Web ads to find promotional items that match their needs. Web ads are available for immediate download. Print ads may be requested through an online form and will be shipped on CD within seven business days. All users must register on the site before receiving any of these promotional items.

The IEEE Online Promotional Library is located at: http://www.ieee.org/promolibrary. For more information, contact Terry Burns, IEEE Sales & Marketing, at t.burns@ieee.org.

CONGRATULATE THE GRADUATES!

It is now graduation season in many places around the world. Sections can reach out to offer warm congratulations and support to

the IEEE students graduating this year. You can identify graduating Students by using SAMIEEE to select Students and filtering by graduation date. For SAMIEEE assistance, send an email to samieee@ieee.org.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-April 2003)
Total: 1340

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	129
Life Senior Member	9
Member	402
Life Member	2
Student	531
Others	262

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	37
C016: Computer Society	184
PE031: Power Engineering Society – IA034: Industry Applications Society	109
COM019: Communications Society	106
EM014: Engineering Management Society	24

Student Branch	Strength
2591901: DCE, Delhi	116
2590001: IIT, New Delhi	34
2534811: NSIT, New Delhi	60
2534861: JMI, New Delhi	56
41511929:Amity, New Delhi	38
2503861: BITS, Pilani	5
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	6
2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0/0~~
41427869: CR State College of Engg., Murthal	17
2518443: PEC, Chandigarh	47

Networking the World™

ieeedelhinews

vol 03 no 07

july 2003

From the desk of ECC

Dear *esteemed colleagues*,

Another issue; with the commencement of new academic session and we too going to start organizing technical and professional activities in full swing. Please watch for the announcements by being regular visitor to your Section web-site at http://www.ewh.ieee.org/r10/delhi.

Rest as usual coming with excerpts from Leadership Wire and SCOOP. Take advantage from various information coming through those columns.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
July 04, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

INSTITUTION OF ELECTRONIC DATA PROCESSING & IEEE AEROSPACE & ELECTRONIC SYSTEMS, COMMUNI-CATIONS AND LASERS & ELECTRO-OPTICS, SOCIETY CHAPTER-INDIA & IEEE DELHI SECTION COMMUNICATION CHAPTER organize a Lecture on INDIA: E-READINESS ASSESSMENT By S. Ramakrishnan, Senior Director, DIT on July 5, 2003 at 10-00 hours at SILVER OAK, India Habitat Centre, Lodi Road, New Delhi-110003

IEEE Tutorial on SCADA SYSTEMS AND SUBSTATION AUTOMATION on December 2 & 3, 2003 at Jamia MIllia Islamia (with details at http://www.ewh.ieee.org/r10/delhi/scadatu.pdf)

Excerpts from The IEEE LEADERSHIP WIRE

(2 July 2003)

JUNE BOARD SERIES HIGHLIGHTS
Here are some highlights fom the recent IEEE Board of Directors Meeting Series in Nashville.

Dues
For 2004, the following dues and assessment increases will go into effect:
*a US$3 inflationary membership dues increase to US$113;
*a US$1 increase in the IEEE-USA assessment;
*a US$2 assessment for members in Region 3; and
*a US$7.50 increase in affiliate fees, bringing the total to US$56.50 (half of dues).

New Initiatives
The Board approved these three out-of-cycle initiatives totaling US$354,000:
*an IEEE Xplore(R)-based educational products proof of concept
*a Web-based budgeting and forecasting system
*a non-member fulfillment subscription system

Publications
*The Board approved a motion giving Life Members electronic-only subscriptions to all IEEE publications, including IEEE SPECTRUM. Print copies will be available for an extra fee of US$20.
*The Publications Services and Products Board approved a motion to open IEEE Xplore to Google searches, so IEEE periodicals, conference papers and

Standards will appear in related Web searches. This will occur in July.

*The Technical Activities Board (TAB) approved two new publications -- IEEE GEOSCIENCE & REMOTE SENSING LETTERS and IEEE TRANSACTIONS ON DEPENDABLE AND SECURE COMPUTING -- and the reorganization of two IEEE Circuits and Systems publications. IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS PART I: FUNDAMENTAL THEORY AND APPLICATIONS will change its scope and title to IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS PART I: REGULAR PAPERS, and IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS PART II: ANALONG AND DIGITAL SIGNAL PROCESSING to IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS PART II: EXPRESS BRIEFS.

Societies

TAB approved the creation of the IEEE Product Safety Engineering Society.

MAY MEMBERSHIP HIGHLIGHTS

In May, IEEE membership totaled 324,825. Overall, it has declined 4.2 percent from May 2002, remaining relatively unchanged from the 4.1 percent decline reported last month.

Higher-grade membership levels are stronger outside of the United States (-0.5 percent) than within (-5.8 percent). Most of this is due to the termination of Life members who did not return their 2003 renewal profiles -- a factor that will probably affect the statistics for the rest of the year. After adjusting for Life members, Regions 10 and 8 are actually up from last year, with a 2.1 and 0.2 percent increase, respectively.

For more information, read the complete Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

DISCOUNTED ONLINE PROJECT-PLANNING COURSES OFFERED TO IEEE MEMBERS

The IEEE Engineering Management Society (EMS) is sponsoring a series of e-learning workshops on project management, effective communication and virtual teams. Special discounts are available to IEEE members who register.

The instructor-led, self-paced courses are designed to help engineers transition to a new level of professional responsibility. The first course, "Project Planning 1: Defining the Project," will take place on 17 July.

The IEEE member price is US$395. IEEE EMS is offering a 50 percent discount to two IEEE members who sign up together, and a 25 percent discount to individual members.

For more information, including a full course description, visit http://www.msilearning.com/ems/ or contact John Barrett, IEEE EMS, at mailto:johnbarrett@ieee.org.

NEW OPTICAL COMMUNICATIONS & NETWORKING SUPPLEMENT NEEDS MANUSCRIPTS

The IEEE JOURNAL ON SELECTED AREAS OF COMMUNICATIONS will introduce a series of two or more optical communications and networking supplements -- in addition to its nine annual issues -- beginning later this year. Theoretical and practical contributions, including new technologies, concepts, analyses, system experiments, prototypes and new applications, are encouraged.

Manuscripts on advances in the fields of optical communications and networks may be submitted to mailto:jsac-con@mit.edu. For more information, visit http://www.comsoc.org/headlines/pdf/OpComNet_cfp.pdf.

STANDARDS BOARD APPROVES IEEE 802.11g(TM)

The IEEE Standards Board has ratified IEEE 802.11g(TM) -- a new amendment to IEEE 802.11b(TM) that raises the data rate of IEEE 802.11b networks from 11 Mbps (megabits per second) to 54 Mbps. The added transmission speed gives wireless networks based on IEEE 802.11b the ability

to serve up to four to five times more users. It also could enable the use of IEEE 802.11 networks in more demanding applications, such as wireless multimedia video transmission and broadcast MPEG.

For more information, visit http://standards.ieee.org/announcements/80211gfinal.html.

IEEE LOWERS PRICE ON INFORMATION TECHNOLOGY COLLECTION

The IEEE is lowering the price of the IEEE Information Technology Library (ITeL) collection to US$34,995 to support the library community during tough economic times. In addition, the IEEE has extended its ITeL new-subscription offer, giving institutions another US$5,000 off the list price if they subscribe by 30 Nov. IEEE ITeL includes more than 1,500 conference proceedings and selected periodicals in the areas of computing, communications, signal processing and circuits & systems.

For more information, visit http://www.ieee.org/products/onlinepubs/itel/itel.html.

Excerpts from SCOOP

(June 2003)

NOMINATION AND APPOINTMENTS COMMITTEES, HOW IMPORTANT?

The continued success of a Section is dependent on the work of volunteers. Working as an IEEE volunteer is a very rewarding experience but it can be equally rewarding when you pass the duties of your current position to another person. This task is often overlooked but it is very important to identify candidates who could assume the duties of the job after your term of office has been completed.

Establishing a Section Nomination & Appointments Committee could enhance your Section operations since this committee would be responsible for identifying qualified candidates. If you don't have a Section N&A Committee, this task is usually delegated to the Section chair or the Section Executive Committee. If your Section does not already have one, it is suggested that you appoint a Nomination & Appointment Committee. Please send the name of your Section N&A chair via the following e-mail ra-admin@ieee.org.

CALL FOR NOMINATIONS - RAB POSITIONS

One task of your nominating committee could be to forward nominations to the RAB Nominations and Appointments Committee. The RAB N&A Committee is currently soliciting your recommendations for the following positions in 2004:

* RAB Treasurer
* RAB Vice Chair, Member Activities
* RAB Vice Chair, Region, Section and Chapter Activities
* RAB Vice Chair, Strategic Planning
* RAB Vice Chair, Student Activities

These individuals elected to these positions will serve on the 2004 Regional Activities Board (RAB). RAB is responsible for serving the needs of the members of the IEEE by maintaining, enhancing & supporting the geographical units of the IEEE.

Additionally, the RAB N&A Committee is seeking candidates who are interested in serving on RAB Committees in 2004. Please visit the RA web page (www.ieee.org/rab/rab) for additional information on the duties/responsibilities of the positions stated above and the various RAB Committees. Send nominations to Maurice Papo, Chair RAB N&A Committee (m.papo@ieee.org) with a copy to Dan Toland (d.toland@ieee.org).

IDENTIFYING IEEE AROUND THE WORLD

All Sections that have not yet done so are encouraged to implement the Board approved IEEE Master Brand in 2003. Details on the use of the Master Brand can be found in the IEEE Identity Standards at www.ieee.org/identitystandards.

If your Section is already using the Master Brand according to the IEEE Identity Standards, send a sample of your

newsletter, Web site link or other materials to Corporate Strategy and Communications at 445 Hoes Lane, Piscataway, NJ 08854 or to corporate-communications@ieee.org. Samples will be used in a new IEEE Global Identity display.

Other tools available include

- The IEEE Master Brand Reference Guide (distributed as a card at Sections Congress) http://www.ieee.org/identitystandards
- Downloadable images -- http://www.ieee.org/masterbrand
- Web Templates for Sections -- http://ewh.ieee.org/ (select the link for "Tools")

For usage questions, contact corporate-communications@ieee.org or copyrights@ieee.org.

IEEE SENIOR MEMBER INITIATIVE AND MORE!

For information on how your Section or Society can earn cash rewards for nominating a Senior Member candidate, see Nominate a Senior Member Initiative at http://www.ieee.org/ra/md/sminitiative.html . Check out how your Region, Section or Society is doing against the 2003 Senior Member goals at http://www.ieee.org/ra/md/2003smgoals.html. The next scheduled A&A Panel Meeting is on 21 June 2003 in Nashville, Tennessee, USA. For additional information contact Mila Thelen, IEEE Regional Activities, telephone +1 732 562 6376; m.thelen@ieee.org. If you have any questions regarding the status of a Senior Member application, contact senior-member@ieee.org or go to http://www.ieee.org/ra/md/smappstatus.html.

How do other Sections successfully encourage Senior Member elevation? Find out by visiting the Section Chapter Support Volunteer Forum virtual community at https://www.ieeecommunities.org/section-chapter_vol. Go to the Senior Member articles under the "Contributions" tab. To read about successful Section practices on other subjects, go the "Tried and True Solutions" spreadsheet under the "Lists" tab. Items are sorted by category.

NEW FELLOW NOMINATION PROCESS

The IEEE Fellow Committee is pleased to announce the launch of a new process that will allow IEEE Fellow Nominators, References and Endorsers to submit nomination material electronically. Please visit the IEEE Fellow Web Site to access the system -- www.ieee.org/fellows. From the IEEE Fellow Home Page, click "call for nominations" and follow the instructions. If you have questions or comments, please send to fellows@ieee.org.

WHAT'S NEW @ IEEE

What's New @ IEEE is a series of monthly, opt-in email updates designed to provide you with the latest news regarding IEEE activities, industry trends, career development tips, and new IEEE product releases. It is intended for the interest of IEEE members and customers and may be shared with other parties. The newsletter, in its entirety or in part, may be reproduced with proper credit given to its source, What's New @ IEEE. For more information and a look at the archives, go to http://whatsnew.ieee.org/.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-May 2003)
Total: 1487

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	131
Life Senior Member	9
Member	459
Life Member	2
Student	602
Others	279

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	38
C016: Computer Society	191
PE031: Power Engineering Society – IA034: Industry Applications Society	113
COM019: Communications Society	119
EM014: Engineering Management Society	26

Student Branch	Strength
2591901: DCE, Delhi	128
2590001: IIT, New Delhi	35
2534811: NSIT, New Delhi	60
2534861: JMI, New Delhi	68
41511929:Amity, New Delhi	79
2503861: BITS, Pilani	6
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	6
2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
~~40336430: SJPMLIET, Radaur~~	(Re~~0/0~~moved)
41427869: CR State College of Engg., Murthal	17
2518443: PEC, Chandigarh	48

IEEE
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vol 03 no 08
august 2003

From the desk of ECC

Dear *esteemed colleagues*,

With gradually tempo picking up along with the increase in our strength in membership, we too are not lagging behind in organizing technical and professional activities for the benefit of our members in different areas.

Region 10 Meeting has been rescheduled to be held on October 10 & 11, 2003 in Penang, Malaysia. With Delhi Section being represented by its Chair Mr. Raj Kumar Vir if you have got any specific issue to be discussed, please feel free to intimate him at rajvir@ieee.org or me at ieeedelhi@ieee.org for putting the same in agenda.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
August 06, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

August 08, 2003 (*Friday*): 18-15 hours: Committee Room, EE Dept., IIT, New Delhi: Prof. S.S. Murthy, EE Dept. of IIT Delhi: 'A Novel Technology for Power Generation Using Small Hydro Potential - A Success Story'

August 29, 2003 (*Friday*): 18-15 hours: Committee Room No. 2, India International Center, New Delhi: Mr. N.N. Ramanathan, Consultant: 'Software Project Management'

IEEE WORKSHOP
ON
RECENT ADVANCES IN POWER ELECTRONICS AND SENSORLESS CONTROL OF DRIVES
SEPTEMBER 26-27, 2003

Coordinators
Prof. Bhim Singh
Prof. B.P.Singh

Main Resource Person
IAS DL Prof. Alfio Consoli of
University of Catania, Italy

Organized by
IEEE PES-IAS Delhi Chapter
IEEE Delhi Section and
Dept. of Electrical Engineering
IIT Delhi

Venue
Committee Room, EE Department
IIT Delhi, New Delhi-110016

REGISTRATION FEE

Participants from Industry and Govt. Dept./PSU: **Rs 3000/-**

Participants from Academic/Research Institutes: **Rs 2000/-**

Students/Research Scholars: **Rs 750/-**

(20% rebate to IEEE members)

Mail your participation to:

Prof. B. P. Singh / Prof. Bhim Singh
Dept. of Electrical Engineering, IIT Delhi
New Delhi-110016
Phone: 26591064(O), 951292513121(R), 9868082083 (Mo)
Email: bpsingh@ee.iitd.ac.in
Phone: 26591045 (O), 26591890(R), 26516223 (R)
Email: bsingh@ee.iitd.ac.in

REGISTRATION FORM

Name:_____

Designation:_____

Company/Dept./Employer:_____
_____

_____

Contact
Address:_____

_____
_____

_____
Telephone:_____
Fax:_____
Email:_____

Job Responsibility & Experience:_____
_____
_____

Detail of Demand Draft (drawn in favor of *IEEE PES-IAS Delhi Chapter*)
_____
_____

Date:

Signature of Sponsoring
Authority with Seal

Name:
Designation:

2002 PES Outstanding (Large) Chapter Award Comes to Delhi

During the Award Luncheon of first ever held General Meeting of Power Engineering Society in Toronto, Canada from July 13 to 17, 2003, PES Outstanding Chapter Award under Large Chapter category for the year 2002 was presented to Delhi Chapter Chair.

In the figure above Chapter Chair Dr. S. Mukhopadhyay is seen with the plaque and banner along with PES President Mr. John W. Estey on his left and Mr. Bernard M. Speckman, PES Vice President (Chapters / Membership) on his right.

As an invited panelist, in the PES General Meeting Dr. Mukhopadhyay gave a presentation also on the topic 'Interconnection of Power Grids in South Asia' covering formation of Indian National Grid, SAARC Grid and ASEAN Power Grid.

Identification of 'The new faces of Engineering' during the celebration of 'National Engineers Week, February 22-28, 2004

IEEE is planning to celebrate National Engineers Week in Feb 2004. One program envisaged is to identify 'The New Faces of Engineering' who are turning ideas into reality.

The New Faces of Engineering strives to promote the accomplishments of young

engineers by highlighting their engineering contributions and the resulting impact on society. The campaign is designed to enhance and improve the image of engineering. For more information, visit http://www.eweek.org/site/News/Eweek/2004_nomination.shtml

Submit application from to the Delhi Section Secretary at mini@ieee.org by August 22, 2003, for onward transmission to Region 10.

Mini S. Thomas

Excerpts from The IEEE LEADERSHIP WIRE
(31 July 2003)

JUNE MEMBERSHIP HIGHLIGHTS

In June, IEEE membership totaled 330,923. It has declined 4.8 percent from June 2002 and 0.6 percent from May of this year. This is mostly due to a sharp drop in new student members -- 2,000 fewer joined this June compared to last year. The largest decrease is in Regions 9 and 10. U.S. student membership increased slightly (0.6 percent), while non-U.S. student membership decreased 12.5 percent.

For more information, read the complete Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

THE IEEE LAUNCHES IEEE XPLORE(R) RELEASE 1.5

The IEEE launched IEEE Xplore(R) Release 1.5 earlier this month. The upgrade provides free abstract/citation records for guests and enhanced linking to complete abstract / citation records for IEEE members and subscribers, as well as:

- Title history for related journals and magazines
- Ask*IEEE link for referenced articles not in IEEE Xplore
- Inbound links from Thomson ISI

In addition, through IEEE Xplore 1.5, subscribers to the IEEE Member Digital Library can now sort information in their personal file cabinets by publication name, primary author and original filing date.

For more information on this release, visit http://ieeexplore.ieee.org/xpl/ReleaseNotes.jsp.

IEEE TRAVEL SERVICES TO LAUNCH NEW ONLINE BOOKING TOOL

On 4 Aug., IEEE Travel Services will introduce a new online booking tool that will enable travelers to compare IEEE rates for flights, car rentals and hotel fares to those of the airline-direct, Web-based fares. All current users will have to create a new user name and password before conducting a search. Individuals with existing profiles also will need to establish a new profile before booking a trip.

For more information, call Sherry Russ, Meeting Planning and Travel Services, at +1 732 562 3980.

DIRECT-BILLED TRAVEL CHARGES NO LONGER REQUIRED ON EXPENSE REPORTS

Any air, rail or limo charges directly billed through IEEE Travel Services are no longer required on expense reports if the organizational unit paying the expense has communicated its approval to Travel Services. This does not apply to charges on personal or American Express corporate credit cards.

For more information, call Sherry Russ, IEEE Meeting & Travel Services, at +1 732 562 3980.

IEEE SPONSORS STUDENT MEMBERS IN WISE INTERNSHIPS

The IEEE is sponsoring three IEEE student members in this year's Washington Internships for Students of Engineering (WISE) program. IEEE member Jim Dennison is serving as WISE's Faculty Adviser.

For more information on the WISE program, visit http://www.wise-intern.org/.

STUDENTS FROM NATIONAL TAIWAN UNIVERSITY WIN FOURTH ANNUAL

CSIDC

A group from National Taiwan University won first prize at the fourth annual IEEE Computer Society International Design Competition (CSIDC) on 1 July. The CSIDC gives teams of undergraduate engineering students the opportunity to design, from inception to prototype, a special-purpose computer-based device that could be used to solve a real-world problem. The winning project, "NEWS - Novel Educative Wireless System," is intended to improve interaction in synchronized e-learning.

More than 150 teams participated in this year's competition. The first-place team received a US$25,000 prize -- US$10,000 for the school's financial aid fund and US$15,000 for the students.

For more information, visit http://computer.org/csidc/CSIDC2003Winners.htm.

IEEE FOUNDATION APPROVES MORE THAN US$200,000 IN NEW GRANTS

At its 20 June meeting, the IEEE Foundation Board of Directors voted to approve more than US$200,000 in new grants. These grants will support projects that

- explore ways to expand the reach and the benefits of the IEEE in Latin America;
- help the public understand the social and historical impact of IEEE technologies; and
- increase the technological literacy of the pre-college community worldwide.

For more information, visit http://www.ieee.org/organizations/foundation/html/2003grants.html.

IEEE SPECTRUM MEDIA KIT WINS APEX AWARD

The 2003 IEEE SPECTRUM Media Kit won a 2003 APEX Award of Excellence in the Sales & Marketing Brochures, Manuals and Reports category. Out of the 540 entries in this category, 19 received the Award of Excellence. For 15 years, the APEX Awards have been presented annually to recognize distinction in graphic design, editorial content and overall communications.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-June 2003)
Total: 1546

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	132
Life Senior Member	9
Member	477
Life Member	2
Student	625
Others	296

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	39
C016: Computer Society	199
PE031: Power Engineering Society – IA034: Industry Applications Society	116
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2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0~~
41427869: CR State College of Engg., Murthal	17
2518443: PEC, Chandigarh	48

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vol 03 no 09
september 2003

From the desk of ECC

Dear *esteemed colleagues*,

Another issue is reaching you with lot of activities informed involving Distinguished Lecturers of different Societies of IEEE, who are in a position to come to this part of the world particularly in this phase of the year. Please watch for the details at our Section web-site, specifically at pages http://www.ewh.ieee.org/r10/delhi/event.html and http://www.ewh.ieee.org/r10/delhi/lec.html.

In recent time based on certain communication, effort is on for the up-gradation of Associate Members to the Member Grade of the IEEE. In fact we have at present 282 persons in this category, constituting the largest of the lot shown under Others in the Section Membership statistics published at the end of the e-newsletter (rest being Affiliates to Societies only and Pending Members). Those who are eligible they may come forward with their credentials for reporting to our Membership Development Standing Committee Chair at guptarg@mit.gov.in or me.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
September 06, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

September 04, 2003 (*Thursday*): 15-15 hours: Committee Room, EE Dept., IIT, New Delhi: Mr. Rajat Gupta, Cypress Semiconductors, Bangalore: 'Reducing cost of test in digital and mixed-signal VLSI' (*organized by CAS-CS Chapter and circulated earlier to its members*)

September 27, 2003 (*Saturday*): 18-15 hours: Committee Room, EE Dept., IIT, New Delhi: IAS DL Prof. Alfio Consoli, University of Catania, Italy: 'Advanced Control Techniques in Modern Electrical Drives' (*organized by PES-IAS Chapter as the 7th Thomas Alva Edison Memorial Lecture*)

IEEE WORKSHOP
ON
RECENT ADVANCES IN POWER ELECTRONICS AND SENSORLESS CONTROL OF DRIVES
SEPTEMBER 26-27, 2003

Coordinators
Prof. Bhim Singh
Prof. B.P.Singh

Main Resource Person
IAS DL Prof. Alfio Consoli of
University of Catania, Italy

Organized by
IEEE PES-IAS Delhi Chapter
IEEE Delhi Section and
Dept. of Electrical Engineering
IIT Delhi

Venue
Committee Room, EE Department
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REGISTRATION FEE

Participants from Industry and Govt. Dept./PSU: **Rs 3000/-**

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New Delhi-110016
Phone: 26591064(O), 951292513121(R), 9868082083 (Mo)
Email: bpsingh@ee.iitd.ac.in
Phone: 26591045 (O), 26591890(R), 26516223 (R)
Email: bsingh@ee.iitd.ac.in

REGISTRATION FORM

Name:_____

Designation:_____

Company/Dept./Employer:_____
_____

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Contact
Address:_____

_____
_____

Telephone:_____
Fax:_____
Email:_____

Job Responsibility & Experience:_____
_____
_____

Detail of Demand Draft (drawn in favor of *IEEE PES-IAS Delhi Chapter*)
_____
_____

Date:

Signature of Sponsoring
Authority with Seal

Name:
Designation:

Check Your Mail Box

The article is based on UK laws and regulations but I am sure it is an eye opener for us all too.

What do your company's email accounts resemble most - a library or a skip? You might think it doesn't matter if inboxes are a spaghetti of spam, personal chit-chat and business. But ask the six companies fined $1.7m apiece last year by the SEC for non-disclosure and you might get a different answer. The companies were accused of manipulating share prices - and couldn't produce the emails they claimed would have proved their innocence.

Companies are learning to their cost that an effective security policy must address the issue of email management. The failure to store, monitor and retrieve emails on a corporate network can lead to costly legal wrangles and damaged business relationships - not to mention the potential damage to your company's reputation.

In fact, UK law applies equally to written and electronic communication. 'It is still common for users to be asked to delete non-essential email to free up space on servers. That might be a short-term solution for the IT department, but it's storing up business and legal problems for the company in the longer term.'

A lack of email management poses two risks. First, companies might be flouting data retention regulations by deleting email messages. For example, in the pharmaceutical industry, companies are required to store product information for up to 50 years. In the public sector, companies embarking on PFI contracts must keep all correspondence relating to the deal for seven years after the contract has ended. Research from the Institute of Communications and Computer Law shows that 75% of British companies are failing to meet their legal obligations on data retention.

The second risk is that companies which don't archive emails could inadvertently destroy evidence that is later needed for legal actions. An archive might be all that stands between you and a hefty fine if an employee accuses a colleague of sexual harassment via email. If a customer falsely claims he was promised a 20% discount by

the marketing team, would you be able to prove otherwise?

Use your archive

Given that email has the same legal admissibility as paper documents, it's alarming that so few companies have tackled the issue of email archives. There are a lot of companies who have archives because someone has told them to, but they haven't thought about the risks that the archive is supposed to be addressing.

Simply archiving every email isn't enough to address the issue. Obviously, you can just keep everything for all time, but the point of an archive is knowing what information you are keeping, who has access to it, and why it is being kept. Besides which, that would become a pretty expensive proposition very quickly.

Instead, it is believed companies should start by drawing up a risk assessment strategy for email communications. Consider what regulatory requirements affect your business, and what proof you might need to show compliance if required. Then consider which departments are responsible for transactions, contracts and disseminating intellectual property - these are all mails that should be routinely archived. It's vital to check on changing regulations. For example, there are new rules now that a VAT audit will demand to see electronic as well as paper invoices, which is something we're seeing more and more often. Other messages should be archived but destroyed regularly – expert suggest every six weeks if your company operates a four-week notice period. It's important to keep messages like this because if someone resigns, you'll want to check what information they might have sent outside the company.

Once your company has a strategy on email archiving, it must be incorporated into the Acceptable Use Policy (AUP). Often, the act of informing workers that their emails are recorded is enough to prevent them misusing the platform. This doesn't have to create a hostile Big Brother environment. It's horribly easy to send an email to the wrong person in your address book. In a way, by monitoring and keeping email records, you're protecting your workforce from legal actions. Companies should also back up an email archive with filtering, monitoring and blocking software. The security threats from email aren't always from a legal action that happens later. You also have to be aware of the risks around loss of sensitive data, damage from malicious code and resource shortages caused by spam. Expert recommend companies integrate their archive with content security products. You may have to deploy more than one product to get the full range of security you need.

Two of such products are ClearSwift, SurfControl. At the very least, companies should make sure they have two levels of email security. First, deploy software at the gateway to the corporate network to scan the SMTP stream for incoming viruses or sensitive outgoing material. Second, software deployed on the messaging server should be used to scan emails for offensive or inappropriate content.

All of these products can be used to create a policy-based archive so that, for example, emails that may contain confidential information or contractual details are automatically stored. Once the policies are running, it's vital that the IT department keeps a track of what is being identified and stored. You need to track the kind of traffic that's being generated, and modify the security and archiving policy continually. For example, your archive may reveal that the marketing team is distributing unprofessional remarks about competitors. In that case, you can step in before anything really damaging happens, or you can block those messages entirely. While an email archive can reduce the risks your company faces, the protection it offers depends entirely on how reliable the archive can be shown to be. Under the Civil Evidence Act 1995, any email used as evidence in court is subject to something called evidential weight. Electronic documents can be lost, copied or altered pretty easily without anyone noticing. Or, as technology advances, emails might be

moved from one archive to another, and corrupted along the way. In other words, just because you've got the email doesn't mean we believe you. In the case of a contract dispute, you might have an email including an offer of a discount. The supplier has another email suggesting a different version of events. Who is the court to believe? If your email archive is stored on a standard SMTP server where it's accessible by the entire IT staff, and it's been migrated twice by your outsourcing company, you can bet it won't be you.

An email archive must remove all doubt about the validity of emails. This means companies should strive to archive emails on a secure platform where access is strictly controlled and the data is stored in its original format. Any migration to new platforms or storage facilities should be closely monitored to ensure data cannot be accessed or altered en route.

Keep out of court

There are products on the market that can monitor email archives to ensure there is no unauthorised access - however, not all are created equal. Legal experts recommend looking for products that comply with two new BSi standards: 0008:1999 (Legal Admissibility and Evidential Weight of Information Stored Electronically) and 5000:1999 (Electronic Documents and e-commerce Transactions as Legally Admissible Evidence). Given the complexity of securing email archives, it might be tempting to dismiss the idea altogether - after all, you can't be sued for what you don't have, right? Actually, a failure to 'discover' or turn over emails to a court can be dangerous at best and contempt of court at worst. British American Tobacco recently paid out $300,000 when an Australian court ruled that the company's policy of only archiving email for three years amounted to deliberate 'shredding' of evidence. In several US court cases, directors have deleted emails related to ongoing legal investigations and found themselves threatened with seizure of assets and criminal prosecution. It's always better to be aware of problems in your own archive rather than be informed of a liability by your closest competitor in court.

Knowing the law

Your email retention policy should be drawn up based on the regulatory requirements of your own industry, country and continent. In addition, companies should ensure that all email security policies adhere to the following legal requirements in the UK:

* The Data Protection Act stipulates that comprehensive archiving of email as a matter of course is unlawful. Personal data should not be kept for longer than necessary and should not be of an excessive amount - companies archiving email material containing personal data over a long period of time should be able to explain their reasons for doing so. In addition, it's possible to use software that will automatically delete personal data after the required storage period.

* Under the Regulation of Investigatory Powers (RIP) Act, employers can monitor and archive email communications, but guidelines suggest that employees are informed when monitoring may take place, and why.

* Workers were given the right to expect privacy in the workplace by the European Union Human Rights Directive. This means that email archiving and monitoring should be built into the standard terms and conditions of employment so that workers are aware that their messages will be stored and may be used in court at a later date. Companies should endeavour to provide alternative, confidential means of communication.

* The Criminal Procedures and Investigations Act requires that material relevant to a criminal investigation must be stored and preserved as evidence. As email becomes the dominant method of business communications, decisions and advice should be stored as potential evidence.

In a nutshell

- Emails should be treated like paper documents

- Security policies must address email management or companies will risk legal wrangles or damage to their reputations

- Problems are caused by deleting emails that might be needed later for legal purposes

- Archiving everything is not practical; you need to know what information you are keeping, who has access to it, and why it is being kept

And with our IT and BPO relations/ transactions being on an increase with UK (as with the rest of the world), it is worth having a fresh look at our contracts in light of these regulations. We may also need re-training our resources here, accordingly.

Daman Dev Sood

(Source: Paper by Sally Whittle in Internet World)

Excerpts from The IEEE LEADERSHIP WIRE

(2 September 2003)

ELECTION BALLOTS MAILED TO VOTING IEEE MEMBERS

By 1 Sept., election ballots were mailed to all IEEE members in Regions 1-10 who are of Member grade and higher.

To ensure each ballot is counted, they should be signed and returned in the postage-paid envelope from the ballot package. If the envelope provided is not used, signed ballots should be mailed to:

Survey & Ballot Systems Inc.
P.O. Box 46430
Eden Prairie, MN 55344-6430

All ballots must be received noon on 3 Nov. 2003. They should NOT be mailed to the IEEE Operations Center with other correspondence.

Voters are encouraged to visit the candidates' Web site at http://www.ieee.org/organizations/corporate/candidates.htm to learn more about them and their positions.

JULY MEMBERSHIP HIGHLIGHTS

In July, IEEE membership totaled 335,545. This represents a decline of 17,329 members, or 4.9 percent, from July 2002 and a 4.8 percent decline from this past June.

For more information, read the complete Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

OUTREACH RECOVERS MORE THAN 2,000 IEEE MEMBERSHIPS

IEEE Member Services recently concluded the annual arrears telephone outreach to non-renewing members in Regions 1-7. The outreach recovered 2,280 IEEE memberships and 2,216 society memberships, as well as renewals in all 37 societies and the IEEE Women in Engineering affinity group. The program generated more than US$440,000 in revenue.

For more information, call Felicia Taylor, IEEE Regional Activities, at +1 732 562 5507.

THE IEEE TESTS ANTI-SPAM SOLUTION FOR EMAIL ALIAS SERVICE USERS

In April, the IEEE IT department began testing an internal anti-spam application on email sent to staff at some IEEE offices.

The application tags messages that are identified as possible spam by adding a prefix to the subject line of the email message. To avoid the inadvertent block of legitimate email messages, this solution will not stop spam from reaching the end user, but will enable the individual to create email filters to separate it from their normal email. The IEEE is currently fine-tuning its anti spam solution and plans to make it available to all IEEE Email Alias Service users sometime during fourth quarter.

More detailed information about the IEEE's efforts to reduce spam is available at

http://eleccomm.ieee.org/IEEE-SPAM-info.shtml.

IEEE ANNUAL REPORT AVAILABLE 5 SEPT.
The online version of the 2002 IEEE Annual Report will be available on Friday, 5 Sept. from the IEEE Web site home page. Print copies will be mailed soon after to members of the IEEE Board of Directors, major boards and committees, as well as to about 4,000 government, corporate and academic leaders around the world.

For more information, contact Helen Horwitz, IEEE Corporate Strategy and Communications, at +1 732 562 6821 or mailto:h.horwitz@ieee.org.

IEEE JOURNALS TOP ANNUAL CITATION STUDY
The IEEE publishes the top eight cited journals in electrical and electronics engineering, and the top seven journals in telecommunications, according to the recently released results of the Institute for Scientific Information's (ISI) annual Journal Citation Reports.

The ISI study ranks journals by the average number of times articles published in a specific journal in the past two years were cited in a particular year.

In 2002, the top-ranked IEEE publication was IEEE NETWORK magazine, which ISI listed as number one in three different categories: Electrical and Electronics Engineering, Telecommunications, and Computer Science Information Systems.
For more information, visit http://www.ieee.org/products/citations.html.

Excerpts from SCOOP

(August 2003)

SECTION TECHNICAL CONFERENCE DEFINED

Can the event you are planning be defined as a Section Technical Conference? To be defined as such, your program should meet the following criteria:

* A Section Technical Conference occupies the major portion of a full day or longer.

* A Section Technical Conference contains a program of five or more technical papers, panel discussions or similar technical presentations (in addition to any planned social activities). The technical program runs for a minimum of five hours, including discussions.

* A Section Technical Conference is sponsored exclusively by one Section (and possibly it's own Subsections, Chapters, Affinity Groups or Branches). Sections in Regions 8, 9 and 10 may co-sponsor a meeting of this type with national engineering societies in their respective Regions.

* Attendance should be drawn from the territory of the Section and its environs. When circumstances warrant, this requirement may be waived by co-sponsoring the event with another Section, or by obtaining a "cross endorsement." See the next article on organizing a conference, for further information.

POINTERS FOR ORGANIZING A CONFERENCE

The prime objective of conducting IEEE conferences is to provide IEEE members, other individuals and organizations with information and exhibits to assist in the advancement of electrical and electronics engineering and the related arts and sciences. As a Section or Chapter leader, please remember to consult the IEEE Conference web site at http://www.ieee.org/conferences before you begin planning your event. In addition, you should be aware of the following items:
* IEEE organizational units engaged in conference sponsorship may not enter into any type of sponsorship arrangement with a "For Profit" organization.

* Geographic Units are expected to keep their sponsored events within their geographic area. When a unit moves out of its defined area, co-sponsorship or cross

endorsement is required (IEEE Policy Manual 10.1.4.).

* Check the IEEE Conference Database at http://www.ieee.org/conferencesearch before you determine the date/location of your conference. Are there any other IEEE Conferences (with similar technical content) scheduled at the same time of the your conference?

Please contact IEEE Conference Services at conference-services@ieee.org if you have any questions regarding the organization of conferences.

IEEE JOURNALS RANK HIGH IN ANNUAL CITATION STUDY

Access to the latest technology is one of the benefits of IEEE membership. IEEE publishes the top eight journals in electrical and electronics engineering and the top seven journals in telecommunications, according to recently released results from the Institute for Scientific Information's annual Journal Citation Reports (2002 edition). The ISI study ranks journals by their impact factor -- the number of times their papers are quoted or cited by other scientific publications in their initial year of issue publication. You can view the report in more detail at http://www.ieee.org/citations.

A list of member benefits can be found at http://www.ieee.org/memberbenefits.

HIGH TECH "BABBLE"? TEST YOURSELF!

An interesting article regarding the results of a survey done on technical jargon can be found at http://news.bbc.co.uk/2/hi/technology/3054210.stm. You can take the jargon quiz at http://www2.amd.com/us-en/gcab/lt/exam/1,,,00.html. We suspect that IEEE members would do better than the general population (3% of the 1500 people surveyed in the US, UK, China and Japan got a perfect score).

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-July 2003)

Total: 1582

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	131
Life Senior Member	9
Member	538
Life Member	2
Student	561
Associate	282
Others (Associate, Affiliate & Pending)	336

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	40
C016: Computer Society	207
PE031: Power Engineering Society – IA034: Industry Applications Society	117
COM019: Communications Society	187
EM014: Engineering Management Society	27

Student Branch	Strength
2591901: DCE, Delhi	127
2590001: IIT, New Delhi	40
2534811: NSIT, New Delhi	60
2534861: JMI, New Delhi	67
41511929:Amity, New Delhi	58
2503861: BITS, Pilani	5
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	6
2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
~~40336430: SJPMLIET, Radaur~~	(Removed) ~~0~~
41427869: CR State College of Engg., Murthal	13
2518443: PEC, Chandigarh	43

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From the desk of ECC

Dear *esteemed colleagues*,

With end of the calendar year approaching and so is the improvement in weather taking place in the area of jurisdiction of the Section, lot of activities have started. More and more of Distinguished Lecturers of Societies are available. Student Branches too are holding activities. Slated is a Branch Counsellors' meet on October 07, 2003 (Tuesday) in Jamia Millia Islamia along with an attempt towards formation of Subsections at Jaipur and Chandigarh. At the end of the current issue you will see membership information about newly formed 14th and 15th Student Branches of our Section respectively at GGSIP University School of Information Technology, Delhi and IG Institute of Technology, Delhi. On the other hand already action has been initiated for the creation of three more Chapters, namely, of Power Electronics (PEL035), Instrumentation and Measurement (IM009) and Engineering in Medicine and Biology (EMB018), Signal Processing (SP001) Societies.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
October 03, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Calendar of Events

October 07, 2003 (2 to 5 P.M.): Committee Room, EE Dept., Jamia Millia Islamia (JMI), New Delhi: *Half-a-day* Tutorial organized by PES-IAS Delhi Chapter, Delhi Section and EE Dept. of JMI on "Recent Developments in Electric Power Transmission Technology" with **PES DL Dr. Kalyan K. Sen** of Electro-Mechanical Division, Curtisswright, PA, USA as the resource person (for details look at http://www.ewh.ieee.org/r10/delhi/Sen_PESDL_2003.pdf or contact Prof. Mini S. Thomas of Elect. Engg. Dept., JMI Delhi at mini@ieee.org or Dr. S. Mukhopadhyay at subrata@ieee.org)

SRM – What Is It?

So, you knew ERP (Enterprise Resource Planning), CRM (Customer Relationship Management) and ERM (Enterprise Risk Management). Here is the first attempt at the latest in such series i.e. SRM (Supplier Relationship Management).

In a nutshell

* Like CRM, supplier relationship management is not a technology as such. It's a methodology with various different and broad solutions coming under its umbrella. It's about suppliers, buyers and products

* There's been under-investment in procurement as a function

You could say supplier relationship management is just customer relationship management back-to-front. After all, both aim to capture a single view, CRM of customers, SRM of suppliers. Both also promise to make this view the basis of an endlessly reciprocal relationship. Both even rely on the same technologies, such as integration, datawarehouses and business intelligence.

You could reasonably say all of that, providing you're willing to take more than a few steps back on the roadmap. And the horizon is slightly clouded by hype. Over the past few years, SRM has emerged as a

convenient catch-all for vendors of all shapes and sizes striving to appear ahead of the curve. Some experts blame firms like SAP rebadging e-procurement, sourcing and collaboration tools as entire SRM suites. 'Therefore, a lot of organizations have started to bandy around SRM to encompass all of those technologies,' they say. 'It hasn't really focused, ironically, on the actual methods of supplier relationship management.'

In many cases, SRM isn't dependent on technology, according to some experts. '90% of it comes from re-engineering business processes,' they say. 'There may not be any need at all for any form of technology.'

No solution

Furthermore, there's no such thing as an 'SRM market', according to other experts. 'You can't go out and buy an "SRM solution", despite what vendor marketing says,' they say. 'SRM is primarily a methodology, and there are various point solutions that support that methodology.'

And what a lot of point solutions there are. These can be grouped under general headings such as 'strategic sourcing', 'procurement management' and 'supplier performance'. But, even then, the range runs from traditional purchase order processing right through to extranets and other nebulous 'extra-enterprise' technologies. The concept's so broad, SRM can describe the 'many, many applications that might be useful for working with or interacting with suppliers'.

Clearly, the 'big bang' approach won't work for SRM. After all, it's not CRM all over again. 'People on the supply-side are a little smarter than that. They make their living by not spending money. They're not going to spend £10m for full-blown SRM, that much is clear.'

But, that doesn't mean purchasing departments are destined to get it right. 'Most are IT Neanderthals. Some really understand the power of IT.' 'But, they have a tendency of treating their own IT department like they treat suppliers, saying "Give me a solution and it's not going to cost me more than this". They don't look at it from a project management perspective.'

Some say, they have got the 'war wounds' to prove it. 'Sourcing people tend to be quite keen on the details.' They're increasingly looking for working knowledge of specific, and often obscure, commodities. Clients tend to go out to the external market, interim managers, etc, for that specific skill to get commodities tackled very quickly and people trained up.

But, apart from these more esoteric skills, SRM projects rely heavily on standard IT work such as integration and data quality. It is advised to involve data architects in the early stages of implementing SRM. If you have bad data, 'procurement managers will know it's bad and do two things: either they're going to make decisions on bad data or they're going to ignore the system and you'll never get them to come back again.'

Moving forward, SRM poses a number of worrying challenges for organizations. Integrating client systems with suppliers, for example. Even the leading IT consultancies lack skills in this area.

Relationships count

IBM Global Services is an exception, but generally, providers of EDI networks or the new web-based transactions networks are more geared to this pitch. It handles crucial areas like supplier recruitment, training, non-repudiation, archiving and helpdesks. 'That's what you really need to think about when you're scaling out applications across your suppliers.' That is, providing you can get suppliers on board in the first place.

The word 'relationship' really does matter in SRM. 'It's simply not done to [suppliers], because, depending how critical the customer is, they might walk away.' It's mix of carrot and stick. Tell the supplier that you plan to aggregate, but equally that you plan to consolidate. 'Therefore, there's

likely to be more spend coming the winner's way.' 'That's the stick.'

The carrot could be a promise of a strategic relationship with the supplier. An offer to share forecast and production information or visibility of inventory to help the supplier optimize their manufacturing process, for example. 'You could say "We want to work closely with you so we can help you take cost out of your business." 'But, at that point, you don't say "We'll have some of that back later".'

Organizations should be careful, though. 'Giving my supplier my production information and forecasts and it gets leaked to the competition is a real fear.' 'If you've got a long-term relationship with a supplier then the range of issues you discuss and share is broader than one which is of a commodity-type category where you might want to go and beat the supplier up once a month.'

But, buyers sometimes need help understanding SRM as well. Organizations have experimented with strategic sourcing, such as auctions for simple items, but aren't sure where to go next. 'Everyone's scratching their heads, saying "Well, can I do this for the hard things?" or "Where's the next easy thing?" 'Procurement organizations need some maturity to approach SRM from a methodology and technology standpoint.' 'A lot of sourcing is done purely on price. 'But, where we see a sourcing activity done purely on price, you can almost recognize the failure. Is the quality there? Is the delivery there? Are the timescales real?'

Most organizations don't know any better - literally. 'The overwhelming majority here are not in a position to understand what they are spending with their suppliers very well.' 'There's far less drive against compliance with contracts, far less negotiation of favorable terms and conditions of trade.'

Not very convenient

Information that could be used to assess suppliers is hidden in various parts of the business, procurement or otherwise. Catalogues, which can help buyers compare products, have been deployed for convenience rather than purchasing advantage - 'they just take on board whatever the supplier wants them to.' Even contracts and SLAs aren't much use, as there is no way of accurately policing them.

Organizations have under-invested in procurement as a function, especially from a technical perspective as well as the human resources perspective. There's a huge amount of re-skilling and re-tooling that's going to happen. And if this is to succeed, consultants will have to educate the board. The most important thing is to get the executive management to understand that profit comes from procurement. One then begins to speak their language. SRM has to be couched in terms of a wider cultural change. It's not just about the purchasing department. It's not just about suppliers and buyers. It's about suppliers, buyers and the products.

'It's actually about collaboration of what have traditionally been thought of as functional silos, such as product design, engineering, manufacturing.' 'Purchasing is facing a challenge because it's got to raise its profile, enlighten people about how much benefit it can bring and bring all those people to the party.' If successful, consultancies will have to figure out how to tie the management of a product's lifecycle in to the sourcing process. By 2006-7, they can think about completely closing the loop by linking CRM to SRM. 'Ultimately, we need to see the impact of our supply decisions on the customer.' But, most organizations would be forgiven for thinking they are many light-years away from such grand schemes. Until then, Gartner is advising end users to think seriously about SRM. 'I would really suggest that they apply strategic sourcing principles when they're trying to acquire technology,' says an expert at Gartner. 'The worst thing they can do is run out to the market and look for a technical solution - there is no technical solution.'

Daman Dev Sood

(Source: Internet World)

(look forward to the next issue of ieeenewsletter, where I will present a live case study on SRM)

Excerpts from The IEEE LEADERSHIP WIRE

(1 October 2003)

AUGUST MEMBERSHIP HIGHLIGHTS

In August, IEEE membership totaled 340,338. This is a 5.2 percent decrease from August 2002. The largest decrease has occurred in Region 9. Student membership is down 10.4 percent, with the largest declines in Regions 9 and 10. U.S. student membership is down 0.8 percent, while non-U.S. student membership is down 16.4 percent. Historically, October through December have been the strongest months for recruiting new Student members.

For more information, read the complete Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

IEEE MEMBER DIGITAL LIBRARY EXPANDS ACCESS FOR SUBSCRIBERS

Effective end-of-business today, 1 Oct., the IEEE Member Digital Library will offer subscribers access to all IEEE journals, conference proceedings and magazines available through IEEE Xplore(R). This includes all articles dating back to 1988 and select titles dating back to 1950.

Previously, subscribers only had access to articles published within the past five years. This change is the result of research conducted with subscribers, prospects and individuals who canceled. Further service improvements are being considered and will be announced as they are implemented.

For more information, contact mailto:ieeemdlhelp@ieee.org.

IEEE GOLD AFFINITY GROUPS CELEBRATE FIVE YEARS

This year is the fifth anniversary of the IEEE Graduates of the Last Decade (GOLD) affinity groups, which now total 63 worldwide. In recognition, the GOLD Committee is rewarding 22 past GOLD Affinity Group Chairs with IEEE officer pins. According to the committee, many of these volunteers were instrumental in forming the first GOLD affinity groups and helped motivate the next group of IEEE GOLD leaders.

GOLD Affinity Groups plan activities that cover career topics, provide networking and involve local student members through their IEEE Student Branches.

For more information, contact Cathy Downer, IEEE Regional Activities, at mailto:c.downer@ieee.org.

IEEE OFFERS FREE ONLINE TRAINING SESSIONS FOR RESEARCHERS

The IEEE is offering free training on gathering competitive intelligence to individuals who use online IEEE technical content, including IEEE journals, magazines and conference proceedings. The hour-long, technology-based sessions are geared to executives, engineers, researchers and designers.

Each session will be held at both 10 a.m. and 7 p.m. ET. Telephone and high-speed Internet access is required. The following technologies will be covered:

*Aerospace and Defense -- 28 Oct.
*Biomedical Engineering -- 29 Oct.
*Information Technology -- 18 Nov.

Advance registration is required and space is limited. To sign up or obtain more information, email mailto:training@ieee.org. Include your name, affiliation, title, and preferred session and time.

IEEE LAUNCHES NEW MEMBERSHIP SECTION OF IEEE WEB SITE

On 5 Sept., the IEEE launched a new "Join IEEE" section on the IEEE Web site. These pages contain information about the value of IEEE membership, including access to technical information, networking opportunities, career development and other

member benefits. They also highlight the benefits and subscriptions that come with IEEE society memberships.

To view these pages, visit http://www.ieee.org/join. For more information, contact Adrienne Hahn, IEEE Sales & Marketing, at mailto:a.hahn@ieee.org or Michael Binder, IEEE Membership Development, at mailto:m.binder@ieee.org.

Excerpts from SCOOP

(September 2003)

HOW DO YOU COMMUNICATE WITH YOUR MEMBERS?

Sections and other subunits have long discussed cost-effective methods of communicating with members. In June, the Regional Activities Board approved a change to the RAB Operations Manual addressing this very issue. The change was approved as follows (wording refers to Sections, but this change also applies to Subsections, Chapters, and Affinity Groups):

"Reasonable efforts should be made to notify all members of Section meetings. Methods of communication could be hard copy distributions, email distributions in keeping with IEEE email policies, and Section web site updates. Not less than once a year a hard copy mailing should be sent to the active Section membership including at least the following information: how to subscribe to the Section email list, the URL for the Section's web page, and how members may update their contact information in the IEEE master database."

The specific references are RAB Operations Manual 9.4.D.5, 9.5.C.2, 9.6.C.5, 9.9.C.2. For more information, contact Tracy Hawkins, t.hawkins@ieee.org, +1 732 562 5512.

SECTIONS CONGRESS 2008 SITE SELECTION UNDERWAY

With Sections Congress (SC) 2002 just behind us, and SC 2005 just ahead (in Tampa, Florida), the Regional Activities Board has instructed staff to begin planning for Sections Congress 2008. Would you like your Section to host SC 2008? Site selection criteria are available upon request from Tracy Hawkins (t.hawkins@ieee.org). The deadline for submissions is 31 December 2003.

RECRUITING AND RETAINING VOLUNTEERS, PART I

(First in a series on the subject)

What are your expectations when looking for new volunteers for your Section? Are your expectations realistic? Here is a breakdown of volunteerism in a typical membership organization (taken from pages 14-15 of "Volunteers: How to Get Them, How to Keep Them" by Helen Little; Panacea Press, Inc. Naperville IL., 1999)

· Approximately 5% of the membership serve as volunteer leaders: officers, board members, and key committee and task force chairs.
· Another 15% of the membership are active volunteers: project team leaders and work team leaders.
· Approximately 75% of the membership volunteer occasionally, participate in some activities and use some services.
· The remaining 5% are critics. You've probably noticed that they do not participate but tend to complain about everything. This group keeps the other 95% from becoming complacent.

Next month, we will list the 12 basic needs of volunteers. Each month thereafter, one of the 12 needs will be written about in more detail, along with actual successful volunteer recruiting practices of IEEE Sections.
Speaking of which? Does your Section have a volunteer recruiting/retaining practice that you would like to share? You can send it to Vicki Waldman at scoop@ieee.org, or share it on the Section/Chapter Volunteer Forum Virtual Community, at https://www.ieeecommunities.org/section-chapter_vol.

RAB AWARD NOMINATIONS (deadline reminder)

The RAB Awards and Recognition Program seeks to honor the outstanding efforts of some of the most invaluable IEEE Volunteers who have made substantial Regional contributions through innovative projects, exemplary leadership, service, and by fulfilling the goals as related to Transnational Activities. Each of the four awards has a unique mission and criteria, and offers the opportunity to honor distinguished colleagues, inspiring teachers and corporate leaders.

These awards, the most prestigious RAB has to offer, are designed to recognize outstanding efforts by IEEE volunteers. These are NOT technical achievement awards

The deadline for nominations is 15 October 2003. For a description of the awards and to submit award nominations, visit http://www.ieee.org/rabawards.html. Questions may be sent to rab-awards@ieee.org

ARTICLES FOR SECTION NEWSLETTERS:

2004 MEMBER-GET-A-MEMBER (MGM) / STUDENT-GET-A-STUDENT (SGS) CAMPAIGN

Do you have a good IEEE experience to share with a colleague? Why not tell your peers about some of the benefits that you have experienced as an IEEE member? You can help make your colleagues more informed about IEEE, and at the same time earn yourself an incentive for successfully recruiting them.

IEEE conducts the MGM and SGS campaigns annually to encourage members to actively recruit their colleagues or fellow students to become IEEE members. The program makes sense, since who is better equipped to extol the benefits of membership than our existing members? This year's program will run from 2 September 2003 through 15 August 2004. In return for their efforts, a small financial "thank you" will be awarded to all recruiters that can be used as a credit towards IEEE or Society membership dues, or towards the purchase of IEEE services and products.

For rules of the programs and recruiting tips, visit: http://www.ieee.org/mgm or contact Felicia Taylor via email at f.taylor@ieee.org.

IEEE ELECTION

By 1 September, election ballots will have been mailed to all IEEE voting members in Regions 1-10, who are of Member grade and higher. Prior to receiving your ballot packages, we encourage you to visit the Candidates' website to familiarize yourself with the Candidates' Statements of Candidacy and their biographical information. You can also visit their personal websites from this page, by following the instructions on the chart. Visit: http://www.ieee.org/organizations/corporate/candidates.htm for this information

When you return your ballot, assure that your annual election ballot is counted by using the postage-paid envelope provided in your ballot package and return the SIGNED ballot in time to be received before noon on 3 November 2003. Use sufficient postage for delivery to the United States. Please do not mail your ballot to the Operations Center with other correspondence.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-August 2003)

Total : 1605

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	130
Life Senior Member	9
Member	552
Life Member	2
Student	568
Others (Associate, Affiliate, Pending)	339

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	42
C016: Computer Society	210
PE031: Power Engineering Society – IA034: Industry Applications Society	118
COM019: Communications Society	205
EM014: Engineering Management Society	27

Student Branch	Strength
2591901: DCE, Delhi	126
2590001: IIT, New Delhi	40
2534811: NSIT, New Delhi	60
2534861: JMI, New Delhi	68
41511929: Amity, New Delhi	58
41375814: GGSIP University School of Information Technology, Delhi	6
41447849: IG Institute of Technology, Delhi	9
2503861: BITS, Pilani	5
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	6
2531463: MR Engg. College, Jaipur	7
2510361: REC, Kurukshetra	0
40336430: SJPMLIET, Radaur	0
41427869: CR State College of Engg., Murthal	13
2518443: PEC, Chandigarh	44

ieeedelhinews
vol 03 no 11
november 2003

From the desk of ECC

Dear *esteemed colleagues*,

Well it's the time to review what we all have done through out the year for our Members, of course as volunteer. Now at this time it is also the Nomination Committee that has to make the slate for IEEE Delhi Section Executive Committee for the year 2004. So watch at the Section home page at www.ewh.ieee.org/r10/delhi when it is brought out. But before that on behalf of the Nomination Committee I invite you to spread the message that we are on the look out for Chairman, 2 Vice Chairmen, Secretary, Joint Secretary, Treasurer and 9 Members for the Executive Committee, with one slot kept reserved for the Immediate Past Chairman. If any body is interested for any post among current IEEE Members belonging to Delhi Section, please communicate your willingness to Nomination Committee Chair, Prof. R. Balasubramanian of Center for Energy Studies, IIT New Delhi – 110 016 at balu@ieee.org.

I hope by this time all of us have received the membership renewal notice. I request you to take note of it and send subscription at your earliest.

From Delhi Section besides Chairman, I attended the Region 10 Meeting at Penang, Malaysia on October 10 & 11, 2003. A short report on the same is expected to be featuring in the next issue (Vol. 22 No. 2) of Section's magazine BEACON, scheduled to appear shortly. You too may send your write-up on any matter of general interest to IEEE Members to the Editor, Mr. Prakash V. Ekande at pvekande@yahoo.co.uk for consideration for inclusion in BEACON, latest by November 15, 2003.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
November 08, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

Dr. Subrata Mukhopadhyay of Delhi Section (*left*) receiving 2002 IEEE RAB Leadership Award from (*now*) IEEE President-Elect 2004 Mr. W. Cleon Anderson on October 10, 2003 in Region 10 Meeting in Penang, Malaysia

Delegates from India on October 10, 2003 in Region 10 Meeeting in Penang, Malaysia with (*now*) IEEE President-Elect Mr. W. Cleon Anderson (*6th from left*) and R10 Director Dr. Jung Uck Seo (*5th from left*)

Calendar of Events

Please look for announcements at
www.ewh.ieee.org/r10/delhi/lec.html
and
www.ewh.ieee.org/r10/delhi/event.html
from time to time.

IEEE TUTORIAL
ON
SCADA SYSTEMS AND SUBSTATION AUTOMATION
DECEMBER 02-03, 2003

Coordinators
Prof. Mini S. Thomas
Dr. Subrata Mukhopadhyay

Main Resource Person
PES DL Mr. John D. McDonald of
KEMA, Inc, USA

Organized by
IEEE PES-IAS Delhi Chapter
IEEE Delhi Section and
SCADA Lab, Jamia Millia Islamia

Venue
Conference Room, SCADA / EMS Lab
Department of Electrical Engineering
Jamia Millia Islamia, New Delhi-110025

REGISTRATION FEE

General Delegates: **Rs. 2,500/-**

Faculty / Research Scholar from Academic Institution: **Rs. 1,500/-**

Sponsoring Company (*five* delegates) **Rs.10,000/-**

A rebate of 20% will be given to IEEE Members of all categories.

Last Date of Registration:
November 24, 2003

Mail your participation to:

Prof. Mini S. Thomas
SCADA Lab, Room # 217
Department of Electrical Engineering
Jamia Millia Islamia
New Delhi-110025
Telefax: 011-26988847 (O), 26680480 (R)
Email: mini@ieee.org

REGISTRATION FORM

Name:_____

_____

Company/Employer:_____

_____

Designation:_____

_____

Address:_____

_____

_____

Telephone:_____
Email:_____

Whether IEEE Member: ☐ Yes ☐ No
If yes, Grade & Membership No. _____

Mode of payment
(in favor of *IEEE PES-IAS Delhi Chapter*)
- Demand Draft on Delhi / New Delhi
- Delhi Local Cheque

(no _____dt _____
on_____)

Amount paid_____

Date:

(Signature of applicant)

Countersigned by:
(on behalf of the sponsoring organization, if any)

CALL FOR PARTICIPATION IN ACE- 2003

India Council of IEEE is holding ACE-2003 at Pune from 12th &14th Dec '03 at Hotel LeMeridian. Please refer the following URL's for ACE2003-Pune.

http://www.pictsctr.edu/ACE2003
http://www.ieee.org/bombay/ace2003

We invite you & request you to ensure maximum participation by the IEEE members in your section. Your co-operation will be highly appreciated.

D M Tagare
Chair – Organizing Committee
ACE – 2003

SRM – What Is It?

Last month, I had promised to take you further to SRM with the help of a case study. Here is little catch up before that...

So, you knew ERP (Enterprise Resource Planning), CRM (Customer Relationship Management) and ERM (Enterprise Risk Management). Here is the first attempt at the latest in such series i.e. SRM (Supplier Relationship Management).

In a nutshell

* Like CRM, supplier relationship management is not a technology as such. It's a methodology with various different and broad solutions coming under its umbrella. It's about suppliers, buyers and products

* There's been under-investment in procurement as a function

You could say supplier relationship management is just customer relationship management back-to-front. After all, both aim to capture a single view, CRM of customers, SRM of suppliers. Both also promise to make this view the basis of an endlessly reciprocal relationship. Both even rely on the same technologies, such as integration, data warehouses and business intelligence.

CASE STUDY: HBOS (Halifax and Bank of Scotland)

When Halifax and Bank of Scotland merged to form HBOS in September 2001, cost savings of £300m were projected. The pressure was on procurement.

'I think the merger came at a good time and focused our attention on what we needed to do,' says Sharon Reason, procurement performance manager for HBOS. 'It became more apparent after the merger that there were so many sporadic suppliers across all the many accounts we had.'

Phase one was about consolidating accounting and spend information from the two banks and was completed by October 2002. Des Quigley, procurement systems manager, gives an example of the system in action: 'With our printers, we used the data, first of all to identify which printers we were spending the most funds with.

'Now, we've got two companies acting in that role, and we've been using the information coming from the spend data to identify the types of spend, then using that data to work with the suppliers, so they get a real feel of the type of relationship we're asking to manage.' Phase two involved capturing e-procurement data while a planned third phase will incorporate further information and contracts and supplier stock data.

'By going with small incremental steps, we know that we could deliver it and quickly get benefits out of it,' says Reason. 'I don't think it would have worked with a big bang at the beginning.'

HBOS eschewed branded SRM solutions for a custom-built based on a data warehouse and integration software from Kalido combined with its existing reporting tool from Business Objects. It's system integrator Acuma also ran a skills transfer programme enabling HBOS to take over the running and enhancement of the system.

'There were lots of big fancy applications, but we needed something that we knew we could put in quickly once the merger was finished, something we could easily maintain in-house without a heavy IT burden,' says Reason.

Daman Dev Sood
Tata Consultancy Services

(Source: Internet World)

Excerpts from The IEEE LEADERSHIP WIRE

(7 & 3 November 2003)

IEEE ELECTION BALLOTS TALLIED

****

Below is the outcome of the tally of votes of the 2003 IEEE annual election, as certified by the IEEE Tellers Committee on 6 Nov. The results of this election are unofficial until the IEEE Board of Directors accepts the Report of the IEEE Tellers Committee at its meeting on 16 Nov.

In 2003, there were no Constitutional Amendments. There were two survey questions.
A total of 246,731 ballots were mailed; 37,233 valid ballots were returned. The rate of return was 15.09 percent.

OFFICE OF PRESIDENT-ELECT, 2004:
W. Cleon Anderson

OFFICE OF DIVISION DELEGATE/DIVISION DIRECTOR, 2004-2005

Division I: Lewis M. Terman
Division VII: John W. Estey

OFFICE OF DIVISION DELEGATE-ELECT/DIRECTOR-ELECT, 2004

Division IV: Stuart A. Long
Division VIII: Stephen L. Diamond

OFFICE OF REGION DELEGATE-ELECT/DIRECTOR-ELECT, 2004-2005
Region 1: Barry L. Shoop
Region 3: George F. McClure
Region 5: Robert A. Scolli
Region 7: Robert A. Hanna
Region 9: Luiz Pilotto

OFFICE OF REGION DELEGATE-ELECT/DIRECTOR-ELECT, 2004

Region 8: Baldomir Zajc

OFFICE OF STANDARDS ASSOCIATION

President-Elect, 2004: Donald N. Heirman

Board of Governors, Members-at-Large, 2004-2005

Profile 1: Laura E. Hitchcock
Profile 4: Gerald T. Lane
Profile 5: George W. Arnold
Profile 6: Roy W. Alexander
OFFICE OF TECHNICAL ACTIVITIES

VICE PRESIDENT-ELECT, 2004: John R. Vig

OFFICE OF IEEE-USA

President-Elect, 2004: Gerard A. Alphonse
Member-at-Large, 2004-2005: Gary E. Johnson

RENEW MEMBERSHIP ONLINE BY 14 NOV. FOR CONTEST ENTRY
IEEE members who renew online by 14 Nov. will be entered in a drawing for a new Dell Inspiron(TM) Notebook computer. The drawing will take place on 28 Nov. For more information, visit http://www.ieee.org/membership/renewal/index.xml.

IEEE HOME PAGE FEATURES MORE THAN 100 ARTICLES FROM IEEE XPLORE(R)
Last November, the IEEE began featuring article synopses from IEEE Xplore(R) on the www.ieee.org home page. Since then, more than 100 articles have been highlighted. Topics have included magnetic resonance imaging, forest fire detection, virtual electrical breast biopsy, hybrid vehicles and wearable computers, among many others. In addition to citations, readers can now click through to abstracts for papers of particular interest.

IEEE RECEIVES NEARLY US$900,000 IN GRANTS THIS YEAR
During the first three quarters of this year, the IEEE has received 35 grants, contracts and cooperative agreements totaling US$886,376.
The two largest awards came from the U.S. Federal Highway Administration (FHWA) as part of a ten-year cooperative agreement between the IEEE and FHWA entitled "ITS Standards Development Support." Twenty-eight of the grants provided funding

to 19 IEEE conferences for student and speaker travel, publications and registration subsidies. The other five supported projects such as the 2003 Future Energy Challenge and the creation of the IEEE Product Safety Society.
To see a full list of the grants received so far this year, visit http://www.ieee.org/services/financial/grants. To learn more about grant support for an IEEE program or conference, contact Karen Galuchie, IEEE Development Office, at +1 732 562 3915 or mailto:k.galuchie@ieee.org.

NEW ADS AND WEB GRAPHICS AVAILABLE IN ONLINE PROMOTIONAL LIBRARY
New advertisements and Web graphics are available in the IEEE Online Promotional Library. They include promotions for:
*IEEE Member Digital Library
*IEEE Biomedical Engineering Library
*IEEE Transactions on Automation Science and Engineering (T-ASE)
*IEEE Computer Society
*IEEE Financial Advantage Program
*IEEE Standards Association Software Engineering CD-ROM collection

The hundreds of print ads and Web graphics in the IEEE Online Promotional Library may be used free of charge in IEEE publications and Web sites.

For more information, or to request a quote for the creation of promotional materials, contact Terry Burns, IEEE Sales & Marketing, at mailto:t.burns@ieee.org.
The IEEE Online Promotional Library is located at http://www.ieee.org/promolibrary.

Excerpts from SCOOP
(October 2003)

ANNUAL REPORTING: REBATE NEWS

The required annual reports of officer, meeting and financial activity are the basis for Section and Chapter funding in the form of Section Rebates. There are some notable changes for the upcoming reporting/rebate season. The IEEE Regional Activities Board approved the following increases for the 2004 Rebate:

* $2000 basic allowance (previously $1800)
* $200 (previously $180) for each Chapter and Affinity Group
* $500 for Subsections (new this year).

Remaining the same is the membership rebate of $3 per Member, Student or Associate grade member; $1.50 per Affiliate; and $4.00 for each Senior or Fellow Grade member. And don't forget that your Section can earn a bonus of 10% of the total rebate for reports electronically submitted or postmarked by the reporting deadline of 20 February 2004. Minimum reporting requirements must be met and reports must be approved for each unit in order for the rebate to be paid (for details, see the 2004 Rebate Schedule at http://www.ieee.org/scsreports).

Another change this year will be in the method of distribution of forms normally sent to the Section Secretary for meeting and officer reports. An email reminder notice will be sent, along with the URL for the web forms. Hard copies of the forms will be mailed only upon request.

As in previous years, a package containing the hard copy forms will be mailed to Section Treasurers for completion of the financial report (L50), although use of the Excel form, available on the web, is encouraged. The L50 report form, instructions and information will be updated and available for Treasurers on the Section/Chapter Support web site by 10 December 2003.

All forms and instructions for Secretaries and Treasurers can be found at http://www.ieee.org/scsreports.

RECRUITING AND RETAINING VOLUNTEERS, PART II

Your Section needs volunteers to help with tasks such as planning meetings, creating newsletters and web pages, tracking finances and producing reports, etc. But

does your Section find recruiting and retaining volunteers to be difficult? You know what the Section needs, but what are the needs of a volunteer? According to one expert*, there are 12 basic needs that all volunteers share:

1. A specific manageable task with a beginning and an end.
2. A task that matches the interests and reasons for volunteering.
3. A good reason for doing the task.
4. Written instructions.
5. A reasonable deadline for doing the task.
6. Freedom to complete the task when and where it is most convenient for the volunteer.
7. Everything necessary to complete the task without interruption.
8. Adequate training.
9. A safe, comfortable, and friendly working environment.
10. Follow-up to see that the task is completed.
11. An opportunity to provide feedback when the task is finished.
12. Appreciation, recognition, and rewards that match the reasons for volunteering.

(* from "Volunteers: How to Get Them, How to Keep Them" by Helen Little; page 19, Panacea Press, Inc. Naperville IL., 1999)

In upcoming issues of SCOOP, these needs will be addressed individually and in more detail.

MAKING THE IEEE CONNECTION WHEREVER YOU GO

Some IEEE members have found that one of the benefits of membership is using their IEEE connection to help ease their way into new surroundings. Whether traveling for business or making a permanent move, having a ready-made contact in a new area has been a positive experience for many. Read about your colleagues' experiences, Region 8's pilot "Golden Welcome" proposal, and more, on the Section/Chapter Volunteer Forum virtual community. If you are not already a member of this community, go to https://www.ieeecommunities.org/section-chapter_vol to request membership.

UPCOMING SCOOP SURVEY FOR SECTION CHAIRS

Section Chairs: on or around October 20, we will be sending you an email with a link to short survey about the SCOOP newsletter. Please take a few minutes to complete the 10-question survey. The more feedback we receive from you, the better we can help meet your needs!

DONATIONS TO & FROM YOUR SECTION

As a nonprofit organization, the IEEE must abide by strict rules relating to both the receipt and awarding of any contribution of funds or equipment. If your Section has received, or regularly receives contributions, be sure to communicate with the IEEE Development Office (supportieee@ieee.org). They can assist you in acknowledging the donation and conforming to IEEE Policies relating to contributions.

If your Section is considering making a donation or contribution of either funds or equipment to another organization, you must first submit a request to your Region Director. Your Region Director will then determine what approvals are needed, if any.

Remember, that IEEE funds are only to be used for scientific, technical and educational purposes. If a humanitarian need arises in your community, encourage your members to contribute to the many organizations which specialize in the field. IEEE Sections cannot be a conduit for such contributions.

IEEE FOUNDATION NEWS

Acknowledging the importance of encouraging and stimulating students' professional development in the electric power industry and wishing to honor one of its founders, the CH2M Hill Foundation renewed its sponsorship of the Student Prize Paper Award in Honor of T. Burke Hayes, for five years, beginning in 2003. This Prize Paper Award, presented by the IEEE Power

Engineering Society, recognizes an outstanding original student paper in the science and practice of electric power engineering.

To learn more about this Award and other IEEE Power Engineering Awards, go to http://www.ieee.org/pes, and select "Awards" from the left hand menu.

For more information about the IEEE Foundation and how to apply for grants, go to http://www.ieee.org/foundation.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-September 2003)
Total : 1638

Grade	Strength
Honorary Member	2
Fellow	2
Life Fellow	1
Senior Member	131
Life Senior Member	9
Member	578
Life Member	2
Student	560
Others (Associate, Affiliate, Pending)	353

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	42
C016: Computer Society	209
PE031: Power Engineering Society – IA034: Industry Applications Society	120
COM019: Communications Society	205
EM014: Engineering Management Society	27

Student Branch	Strength
2591901: DCE, Delhi	126
2590001: IIT, New Delhi	38
2534811: NSIT, New Delhi	60
2534861: JMI, New Delhi	61
41511929: Amity, New Delhi	51
41375814: GGSIP University School of Information Technology, Delhi	6
41447849: IG Institute of Technology, Delhi	8
2503861: BITS, Pilani	4
2591103: MBM Engg. College, Jodhpur	0
2518473: Engg. College, Ajmer	6
2531463: MR Engg. College, Jaipur	5
2510361: REC, Kurukshetra	0
40336430: SJPMLIET, Radaur	0
41427869: CR State College of Engg., Murthal	13
2518443: PEC, Chandigarh	64

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vol 03 no 12
december 2003

From the desk of ECC

Dear *esteemed colleagues*,

We have come to the end of the year. New slate for the Section Executive Committee for 2004 has been announced that find place elsewhere in this edition of e-newsletter. AGM has been scheduled on January 18, 2003 (Sunday). As I understand you will be receiving notice of AGM along with the current issue of magazine BEACON shortly.

With regards,
Sincerely yours

Dr. S.Mukhopadhyay
New Delhi
December 07, 2003
(e-mail: ieeedelhi@ieee.org
URL: http://www.ewh.ieee.org/r10/delhi)

IEEE Delhi Section Congratulates its Volunteer

IEEE Delhi Section takes pride in congratulating its volunteer, past Region 10 Director, India Council and Section Chair, Mr. Harbans L. Bajaj for his nomination to the class of Fellows of the Institute with effect from January next.

Calendar of Events

Dec 10, 2003 (Wednesday): 4-00 P.M.: Conference Hall, Bureau of Indian Standards (BIS), Manak Bhawan, 9, Badur Shah Zafar Marg, New Delhi: Talk on 'STANDARDIZATION OF IT, COMMUNICATION, TV & ENTERTAINMENT AREAS' by Dr. K. Subramanian, Dy. Director General, CAG of India, New Delhi (organized by EMS Chapter in association with Institute of Standards Engineers and BIS)

Dec 22, 2003 (Monday): 6-15 P.M.: **: Talk on 'TECHNOLOGY NEEDS FOR FUTURE SPACE MISSIONS' by Dr. Kumar Krishen, NASA, Johnson Space Center, Houston, TX, USA

Dec 26, 2003 (Friday): 2-30 P.M.: **: Talk on 'IMPACT OF ELECTRICITY PRIVATIZATION ON EXISTING ELECTRIC POWER SYSTEMS' by PES DL Prof. Mohammad Shahidehpour, Illinois Institute of Technology, Chicago, IL, USA (organized by PES Chapter)

** Venue yet to be decided; please look at http://www.ewh.ieee.org/r10/delhi/lec.html by mid-Dec 2003.

Major Conferences in 2004 in & around

International Conference on Power Systems: "Challenges to Electric Utilities in the New Millennium", to be held in Kathmandu, Nepal, November 3-5, 2004 (http://www.ee.iitb.ac.in/~peps/ICPS2004/)

2004 PCI-India Conference at **India Habitat Center, New Delhi, India** on **November 11-12, 2004** (http://www.ewh.ieee.org/r10/delhi/pci-india.pdf)

2004 International Conference on Power System Technology **POWERCON 2004**, November 21 - 24, 2004, The Pan Pacific, Singapore (http://www.ieee.org/powercon2004)

IEEE Region 10 Conference **TENCON 2004** on November 21-24, 2004 at Chiang Mai, Thailand (www.tencon2004.com)

2004-05 PES President-Elect visits Delhi

2004-05 PES President-Elect Mr. John D. McDonald, Senior Principal Consultant and Manager of Automation, Reliability and Asset Management for KEMA, Inc., Norcross, GA, USA, visited Delhi as a PES Distinguished Lecturer and conducted two-day Tutorial on Dec 02-03, 2003 in the area of 'SACADA Systems and Substation Automation' in association with the SCADA Lab, EE Dept. of Jamia Millia Islamia, New Delhi. It had 53 participants from industries, educational institutes, consulting firms.

DELHI SECTION SLATE FOR 2004

S. N.	Office	Name	Org
1	Chair	**Mr. Raj Kumar Vir**	Ex-Rlys
2	Vice-Chair I	**Mr. Prakash V. Ekande**	NTPC
3	Vice-Chair II	**Dr. Ram Gopal Gupta**	MIT
4	Secy	**Dr. Mini S. Thomas**	JMI
5	Joint Secy	**Dr. Ranjan K. Mallik**	IIT
6	Treas-urer	**Dr. Shankar Prakriya**	IIT
7	Past-Chair	**Dr. R. Balasubramanian**	IIT
8	Member	**Mr. Rajendra K. Asthana**	BHEL
9	Member	**Dr. Subrata Mukhopadhyay**	CEA
10	Member	**Mr. Man Mohan S. Puri**	Desein
11	Member	**Mr. Promod K. Srivastava**	Ex-BHEL
12	Member	**Dr. V. R. Singh**	NPL
13	Member	**Dr. K. Subramanian**	DIT
14	Member	**Mr. Daman D. Sood**	TCS
15	Member	**Dr. Ram Nath**	BHEL
16	Member	**Dr. Asok Bhattacharyya**	DCE

R BALASUBRAMANIAN R K ASTHANA
S MUKHOPADHYAY

Maturity Models – On A Lighter Note

Summary: Over the years our industry has witnessed an explosion of maturity models. You can see a list of thirty-four of them at the end of this column. Unfortunately, until now, we have been lacking a maturity model to evaluate our own maturity—thus the need for the development of the "Maturity Maturity Model (M3)."

Based on the seminal works of Mahatma Kane Jeeves, Ph.D., as elucidated in his best-selling books Did Too—Did Not and You're Not the Boss Boss of Me, the Maturity Maturity Model guides us in understanding the maturity of our own maturity. To clarify, the dictionary defines maturity as "the state or quality of being mature." As with all other maturity models, the Maturity Maturity Model has five levels. They are designated:

Oblivious
At this maturity level, people are oblivious to even the idea of maturity. They say and do as they feel. Ideas of duty, responsibility, peer approval, societal norms, benefits, or ethics do not influence their behaviors. (Dang, that sounds like fun.)

Peter Pan
At this maturity level, people acknowledge the existence of "maturity" but want nothing to do with it. They simply refuse to grow up. Father William J. O'Malley describes this level as "the commitment to non-commitment." The business mogul, Buffett (that is, Jimmy Buffett), calls it the "growing older but not up" level. (Dang, that sounds like fun too.)

Anal
At this maturity level, people seem to have their heads stuck somewhere. At this level people are sticklers, but no one knows what for. This level is better discussed in private.

Management by Objective
At this maturity level, people are fighting for their survival—clawing up the corporate mountain/molehill toward ever-retreating material success. They yearn for, clutch at, and then cling to arbitrary rules of behavior

as a coping mechanism against the post-neo-ex-modern angst that envelops them. Rewards and punishments guide their every action. Anxiety (both stranger and separation) rule their mid-brains (in the seventh house). They are hypersensitive to hypocrisy and often cranky (see dilbert.com).

Five

At this final maturity level, people become reflective about the ethical, moral, and religious values they attach to their behaviors. They easily conform their behaviors to those values. Note that no one actually achieves this level unless they reside in a monastic cave carved into the east side of a mountain in southeast Mars.

Thus, the Maturity Maturity Model holds the key to understanding all other maturity models, and to increasing our own maturity through its clearly defined maturation-saturation process.

In her upcoming book, Zenquiry: A Practice Manual, Elizabeth Hamilton describes five levels of maturity. As I listen to stories that practitioners in my classes tell about their organizations, and in my own consulting practice, I have experienced human behaviors associated with these levels:

Infant

At this maturity level, people easily become hysterical. They shout how angry they are, bang on tables, and throw tantrums. This "over the edge" behavior rarely effectively addresses real problems. Rather, it often leads to hopelessness and despair. Examples include: "What do you mean you found bugs in the system?!? You testers are always in the way of progress" and "I want that product out the door by 5 p.m. tomorrow or you're out the door. Understood!?!"

Child

At this maturity level, people are often needy. They can be clinging and manipulative, expecting others to satisfy their needs and make them happy. At this level they see “others” as agents of change. The "child" has no ability to change either himself or his surroundings. Examples include: “If my boss doesn’t come up with a new Wizbang 3000 CPU for me, I’ll just slow down this project I’m working on” and “There’s nothing I can do to improve. My boss is responsible for the testing process. That’s why she’s paid the big bucks.”

Adolescent

At this maturity level, people may be rebellious. “You can’t make me” is a commonly heard phrase. Being “cool” (or “hot” depending on your generation) is vital. Examples include: “Well, design reviews may be alright, but we don’t need them on my project” and “Yes, I know we all just went through Java training but we’ve got to do this next project in Python. It’s the newest language.”

Parental

At this maturity level, people portray themselves as competent and authoritative, even though they may not be. They often minimize their own needs in order to fulfill the needs of others. Fault finding and correction is common. “This is for your own good” is a phrase often heard at this maturity level. Examples include: “You’ve got to follow these coding standards. It’s for your own good” and “That isn’t the way we code the Composite pattern in Java. Here, move over, watch, and learn.”

Adult

At this maturity level, people have become fully functional and fully responsible for their actions. They see others as different from themselves but as equally valuable. They respect the diverse capabilities of others. Examples include: “I think it’s vital we get tellers from downtown, the big branches, and some of the smaller branches so we hear all their needs” and “Let’s invite Norm to the review. I don’t agree with some of his ideas but it’s important that he is heard” and “That’s my mistake. I’m responsible for that.”

Watch and listen to people in your organization. Evaluate their maturity level. Watch and listen to yourself. Evaluate your own. If you are unhappy with your actions,

change them. Now, as promised, for your reading pleasure...
Here's a list of a few of the more prominent maturity models:

1. Capability Maturity Model Integration (CMMI)
2. Capability Maturity Model for Software (SW-CMM)
3. People Capability Maturity Model (P-CMM)
4. Software Acquisition Capability Maturity Model (SA-CMM)
5. Software Engineering Capability Maturity Model (SE-CMM)
6. Integrated Product Development Capability Maturity Model (IPD-CMM)
7. IT Service Capability Maturity Model (IT Service CMM)
8. Organizational Project Management Maturity Model (OPM3)
9. Services Maturity Model
10. Self-Assessment Maturity Model (SAMM)
11. Testing Maturity Model (TMM)
12. Web Services Maturity Model
13. Security Maturity Model (SMM)
14. Operations Maturity Model
15. e-Learning Maturity Model
16. e-Government Maturity Model
17. Earned Value Management Maturity Model (EVM3)
18. Outsourcing Management Maturity Model
19. Change Proficiency Maturity Model
20. Performance Engineering Maturity Model
21. IT Architecture Maturity Model
22. Information Process Maturity Model
23. Project Management Maturity Model (PMMM)
24. Program Management Maturity Model
25. Learning Management Maturity Model (LM3)
26. Automated Software Testing Maturity Model
27. Website Maturity Model
28. PM2 Maturity Model
29. Internet Maturity Model
30. Usability Maturity Model
31. Software Reliability Engineering Maturity Model
32. System Security Engineering Capability Maturity Model
33. Configuration Management Maturity Model
34. Broccoli Maturity Model
(huff... so you see, its not that lighter as suggested by the title !)

Compiled by
Daman Dev Sood
Consultant, Tata Consultancy Service

Based on: 'The Maturity Maturity Model™ (M3) Guidelines for Improving the Maturity Process, and 'Real Guidelines for Improving the Maturity Process' By Lee Copeland

Excerpts from The IEEE LEADERSHIP WIRE

(1 December 2003)

NEW BOARD MEMBERS ELECTED; ELECTION RESULTS CERTIFIED

At its 13 Nov. meeting in Seattle, Wash., USA, the IEEE Assembly elected the following individuals to serve one-year terms on the IEEE Board of Directors, beginning 1 Jan.:

*Mohamed El-Hawary, IEEE Secretary
*Pedro A. Ray, IEEE Treasurer
*James M. Tien, Vice President -- Educational Activities
*Michael R. Lightner, Vice President -- Publication Services and Products
*Marc T. Apter, Vice President -- Regional Activities

At its meeting on 16 Nov., the IEEE Board of Directors certified the Tellers Committee report for the 2003 IEEE annual election, confirming W. Cleon Anderson as the 2004 IEEE president-elect. To view all the results, visit http://www.ieee.org/newsinfo/elections2003.xml.

BOARD APPROVES USE OF EMAIL VOTING

Due to a bylaw change approved by the IEEE Board of Directors at its Nov. meeting, any board or committee of any IEEE organizational unit may now use email voting. This excludes the Board of Directors, the Executive Committee, all major boards, and any board or committee that reports to the Board of Directors.

For more information, contact Rosanne

Loyal, IEEE Technical Activities, at +1 732 562 3903 or mailto:r.loyal@ieee.org.

OCTOBER MEMBERSHIP HIGHLIGHTS

In October, IEEE membership totaled 340,338. This is a 5.4 percent decrease from October 2002. There was a slight improvement in U.S. higher-grade and student memberships. However, this positive growth was negated by a large decrease in student membership for Region 10, which accounted for 82 percent of the total decline. Overall, student membership is down 10.7 percent.

For more information, read the complete Membership Development Progress report at http://www.ieee.org/organizations/rab/md/mdprogrpt.html.

IEEE MEMBERS EARN REWARDS FOR RECRUITING

Through 15 Aug. 2004, IEEE members who recruit new members will earn credits toward IEEE or society membership dues, or IEEE services and products.

For program rules and recruiting tips, visit http://www.ieee.org/mgm.

IEEE CONFERENCE WORKSHOP NOW ONLINE

To reach a larger audience and cut costs, IEEE Conference Services has converted the IEEE Conference Workshop program into an online resource. The workshop consists of presentations and a question-and-answer (Q&A) section. Answers to submitted questions will be posted on a scheduled and timely basis.

Initial guides and presentations have already been published and will be available year-round. The content will be developed and revised as necessary based on inquiries from the Q&A section and general user and IEEE staff feedback. Additional presentations will be added soon.

The workshop is available at http://www.ieee.org/conferences/workshop/workshop_signin.xml. No password is required; the sign-in is optional. The "How to Use This Workshop" section includes information on navigating through the pages.

For more information, contact IEEE Conference Services at mailto:conference-services@ieee.org.

NEW AWARD/CALL FOR NOMINATIONS

The IEEE Awards Board has issued a call for nominations for a new award, the IEEE Gustav Robert Kirchhoff Award. It will be presented for the first time in 2005 for an outstanding contribution to the fundamentals of any aspect of electronic circuits and systems that has a long-term significance or impact. The award, sponsored by the IEEE Circuits and Systems Society, will consist of a bronze medal, certificate and US$10,000. The deadline for nominations is 1 July.

For more information, visit http://www.ieee.org/awards or contact:
IEEE Awards/Fellow Activities
445 Hoes Lane
Piscataway, NJ USA 08855-1331
+1 732 562 3844
mailto:awards@ieee.org

IEEE XPLORE(R) LINKS NOW APPEAR IN GOOGLE SEARCHES

The Google search engine now displays content from IEEE scholarly journals and other publications in relevant keyword search results. Following an agreement made earlier this year between Google and the IEEE, Google is currently indexing the abstract records for online IEEE technical documents and standards available through the IEEE Xplore(R) online delivery platform.

IEEE FOUNDATION ENCOURAGES STUDENT AND GOLD MEMBER ACTIVITIES

The latest two grants awarded by the IEEE Foundation through its Rapid Response program will help fund the Tamilnadu, India-based IEEE Mepco Schlenk Engineering College student branch's IEEE All India Student Congress, as well as activities during Region 8's Student Branch and GOLD R8 Joint Congress 2004, which will be held 4 to 7 Sept., at the University of

Passau, Germany. The grants totaled US$6,030.

To view a full list of grants awarded in 2003, visit http://www.ieee.org/organizations/foundation/html/2003grants.html.

IEEE STAFF MOVE COMSOC SERVERS TO DATA CENTER

The IEEE Operations Center and IEEE Communications Society (ComSoc) IT staffs have relocated ComSoc's servers and electronic services from the 47th Street IEEE office in New York City to the Data Center in Piscataway, N.J., USA. This work was done in preparation for ComSoc's upcoming move to the 3 Park Ave. office in New York City.

FREE NEWSLETTERS MONITOR IEEE STANDARDS ACTIVITIES WORLDWIDE

The IEEE Standards Association issues three free opt-in newsletters that support those in Europe, Asia and the Americas who want to learn about technical standards and participate in IEEE standards development. Technical coverage in StandardsAsia Today, StandardsAmericas Today, and StandardsEurope Today includes information technology, telecommunications, power and energy, and transportation technologies.

To sign up, visit http://www.ieee.org/portal/cms_docs/geoport/newsletters/Multiple_signup.html.

IEEE 802.11G NAMED TOP INNOVATIVE TECHNOLOGY FOR 2003

POPULAR SCIENCE magazine has chosen IEEE 802.11g (Wi-Fi) as its Grand Award Winner for Computing on its list of the top technical innovations of 2003. The magazine praised the new standard for converging the speed of IEEE 802.11a with the range of IEEE 802.11b.

For more information or to see the other award winners, visit http://www.popsci.com/popsci/bown/2003/article/0,18881,536713,00.html.

Excerpts from SCOOP

(November 2003)

TRAINING NEW OFFICERS (www.ieee.org/officers)

This is the time of year that most IEEE Sections hold elections and will soon have next year's officers ready to take over the management of the Section. If you need job descriptions and material for training incoming officers, you can go to http://www.ieee.org/officers. There are links for presentations, forms and information for the training of incoming officers.

RECRUITING AND RETAINING VOLUNTEERS, PART III

What volunteers need: "A specific manageable task with a beginning and an end*." When you have a position to fill, be sure to have a job description available so you can let your potential volunteer know exactly what they are being asked to do and approximately how much of their time it will take (job descriptions for many Section positions can be found at http://www.ieee.org/officers.).

If you wait for people to offer their services, you may have a long wait, so ask them! But try to avoid doing this as a general announcement at a meeting, in your newsletter or by passing a sign-up sheet around the room. This communicates that anyone can do the job. You will get better results with a one-on-one contact. The "personal touch" has worked successfully for the IEEE Buffalo Section.

Try to collect as many sources of potential volunteers as possible and don't limit yourself to friends and current volunteers. Refer to resources such as meeting attendance sheets and results of interest surveys.

(*from "Volunteers: How to Get Them, How to Keep Them" by Helen Little; page 20-28, Panacea Press, Inc. Naperville IL., 1999)

IEEE GRANTS THROUGH THIRD QUARTER 2003

During the first three quarters of 2003, the IEEE received 35 grants, contracts, and cooperative agreements totaling US$886,376 in support of its many conferences and programs. Grants were provided for activities such as IEEE conferences for student and invited speaker travel, publications, and registration subsidies, Standards Development Support and more.

To see a full list of grants received year to date, visit http://www.ieee.org/services/financial/grants. If you are interested in learning more about seeking grant support for an IEEE program or conference, please contact Karen Galuchie, IEEE Development Operations Manager, telephone +1 732 562 3915 or email k.galuchie@ieee.org.

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

(as in end-October / end-November 2003)

Total: 1684/1733

Grade	Strength
Honorary Member	2/2
Fellow	2/2
Life Fellow	1/1
Senior Member	132/136
Life Senior Member	9/9
Member	599/617
Life Member	2/2
Student	568/584
Others (Associate, Affiliate, Pending)	369/380

Chapter	Strength
CAS004: Circuits & Systems Society – CS023: Control Systems Society	44/44
C016: Computer Society	210/216
PE031: Power Engineering Society – IA034: Industry Applications Society	120/120
COM019: Communications Society	199/195
EM014: Engineering Management Society	27/27

Student Branch	Strength
2591901: DCE, Delhi	125/126
2590001: IIT, New Delhi	39/45
2534811: NSIT, New Delhi	60/61
2534861: JMI, New Delhi	61/61
41511929: Amity, New Delhi	51/51
41375814: GGSIP University School of Information Technology, Delhi	14/19
41447849: IG Institute of Technology, Delhi	8/8
2503861: BITS, Pilani	4/4
2591103: MBM Engg. College, Jodhpur	0/0
2518473: Engg. College, Ajmer	7/7
2531463: MR Engg. College (NIT), Jaipur	5/5
2510361: REC (NIT), Kurukshetra	0/0
40336430: SJPMLIET, Radaur	0/0
41427869: CR State College of Engg., Murthal	13/13
2518443: PEC, Chandigarh	64/65