IEEE

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From the desk of ECC

My dear esteemed Members,
First edition of e-newsletter of IEEE Delhi Section for the year 2014 is being issued with a request to Higher Grade Members of the Section to attend its Annual General Meeting (AGM) at Indian Institute of Technology Delhi next Sunday, 23-February-2014 at 10 am followed by the AGMs of Society Chapters & Affinity Groups. While the details of the program are given elsewhere in the e-newsletter, other news and updating too find place for you in it.

With best regards and wishes,

(Dr. Subrata Mukhopadhyay)
IEEE Delhi Section
February 17, 2014 (*Monday*)
New Delhi
E-mail: ieeedelhi@ieee.org
Web-site: www.ewh.ieee.org/r10/delhi

Schedule of Lecture(s)

Surf IEEE vTools Meeting System (https://meetings.vtools.ieee.org/main),
then login with User Name and Password, and View Existing Meetings / View Published Meetings (https://meetings.vtools.ieee.org/meeting_view/list) for the Upcoming Meetings in respect of IEEE Delhi Section and its Society Chapters / Affinity Groups.

List of IEEE Conferences in the geographic area covered by the IEEE Delhi Section (including area under contiguous Section) to go in 2014
(http://ewh.ieee.org/r10/delhi/event.html)

4th IEEE International Conference on Advanced Computing (IACC 2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=32527)

2014 International Conference on Computing for Sustainable Global Development (INDIACom) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=32558)

2014 Recent Advances and Innovations in Engineering (ICRAIE) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33681)

International Conference on Signal Propagation and Computer Technology 2014 (ICSPCT 2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33295)

3rd International Conference on Parallel, Distributed and Grid Computing (PDGC-2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33468)

In the pipeline are those slated in 2014 as per Section approval on submitted proposal, namely –
2014 International Conference on Data Mining and Intelligent Computing (ICDMIC) - IEEE Conference Record # 33840 being organized by Indira Gandhi Delhi Technical University for Women (IGDTUW), Kashmere Gate, Delhi, India on September 5 and 6, 2014 (http://igit.ac.in/ICDMIC-2014/index.html)

2nd International Conference on Machine Intelligence Research and Advancement (ICMIRA 2014) - IEEE Conference Record # xxxxx being organized by Shri Mata Vaishno Devi (SMVD) University, Katra - 182320, J & K, India from Nov 29 to Dec 01, 2014 (xxxxx)

Notice for the Annual General Body Meeting of the IEEE Delhi Section

The Annual General Meeting (AGM) of the IEEE Delhi Section is scheduled to be held at 10:00 AM on February 23, 2013 (Sunday) in the Seminar Hall, Main Building, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016. Only Higher Grade Members (i.e., excluding Society Affiliate, Associate, and *Student Members or in other words those not having voting rights in the IEEE Election) are invited to attend the AGM with their spouses. You are requested to confirm your participation.

Assembling over Tea: 9.30 AM to 10:00 AM

Part A: 10:00 AM to 11:30 AM

Agenda for AGM:

1. Welcome by the Section Chair

2. Confirmation of minutes of previous AGM

3. Presentation of Secretary's Report

4. Report by the Treasurer

5. Appointment of Auditor

6. Appointment of Nomination Committee

7. Distribution of Prizes / Awards*

8. Vote of thanks

(* Only Prize / Award winning Student Members will be allowed by invitation.)

B. Guest Lecture: 11:30 AM to 12:30 PM

C. Meetings of individual Chapters: 12:30 PM to 2:00 PM

D. LUNCH: 2:00 PM onwards

Dr. Prerna Gaur

Secretary, IEEE Delhi Section
24-January-2014

Associate Professor

Netaji Subhas Institute of Technology

Senior member IEEE,

Chairperson, IEEE PELS-IES Delhi Chapter

SAC-IEEE, IEEE Delhi Section (Chair, Standing Com.-Students & Educational

Activities)

Chairperson, WIE, IEEE Delhi Section

Branch Counsellor, NSIT Students Branch, Branch Code: 2534811

December 30, 2013 (Monday)

Announcement of slate for the IEEE Delhi Section Executive Committee for 2014

IEEE Delhi Section Executive Committee Slate for 2014

Position	Name	Affiliation
1. **Chairperson**	Prof. Bhim Singh, IIT-D	
2. **Exec Vice Chairperson**	Prof. Mini S. Thomas, JMI	
3. **Vice Chairperson**	Dr. K. Subramanian, ex-NIC	
4. **Secretary**	Dr. Prerna Gaur, NSIT	
5. **Jt. Secretary**	Mr. Ravindra Joshi. Tata Power Delhi Distribution Ltd.	
6. **Treasurer**	Dr. Rachana Garg, DTU	
7. **Past Chairperson**	Prof. Siban K. Koul, IIT-D	
8 **Member**	Dr Vishnu Srivatava, CSIR	
9. **Member**	Dr. Deepak Garg, Thapar Univ., Patiala	
10. **Member**	Mr. Vijay Dutt, ex-Rlys.	
11. **Member**	Dr. Alka Singh, DTU	
12 **Member**	Prof. Abdul Q. Ansari, JMI	
13. **Member**	Prof M N Hoda, BVICAM	
14. **Member**	Dr. Shabana Urooj, GBU-	

G.Noida

15. **Member** Mr. Rajendra K. Asthana, ex-BHEL

16. **Member (GOLD)** Mr. Imran Ali, ex-JMI

Sd/-   Sd/-
(Shiban K Koul)   (R K Shevgaonkar)
Chair   Member
Sd/-
(Subrata Mukhopadhyay)
Member

Nomination Standing Committee

Minutes of AGM of IEEE Delhi Section held on Feb 03, 2013

Time: 09:30 am

Venue: Seminar Hall 1, 2 & 3 after clubbed together in Kamla Devi Block, India International Centre (Lodhi Estate)

1. Dr Shiban K Koul, Chair-IEEE Section welcomed the members and the guests present and declared the meeting open. He delivered chairperson's brief address and highlighted the main achievements of the Section during 2012. He informed the members that Delhi section membership has grown over 5157. He also informed the members that in all 201 conferences and seminars/ technical activities were held during 2012. He thanked the members who received awards/recognitions from the IEEE during the last year.

2. The Minutes of the last AGM held on 19th Feb, 2012 were presented and approved (proposed by Prof. A. Q. Ansari and seconded by Prof. M. N. Hoda).

3. Dr Sukumar Mishra Secretary of the Section read the Secretary's report, which was approved by AGM (proposed by Prof. M. N. Hoda and seconded by Prof. A. Q. Ansari). The report is attached as Annexure-I.

4. The Treasurer of the Section, Dr. Prerna Gaur, presented the accounts for the year 2012. The financial report was approved by the AGM (proposed by Prof. M.N. Hoda and Seconded by Mr. R. K. Asthana). The report is attached as Annexure-II. She informed that there is nil tax for 2011-2012 and there is approximately Rs.60,000/- for the year 2010-2011. AGM approved the payment of tax to the income tax department.

5. Prof. Sukumar Mishra was appointed as the internal auditor for the IEEE Delhi Section.

6. The Chair Dr. Shiban K Koul, congratulated the recently appointed Fellows Prof. Sreenivasa Murthy and Dr. Om Prakash Narayan Calla. Since, they were not present during the AGM the memento will be sent to them in due course of time.

7. The prizes and awards were distributed to student volunteers and branch counsellors.

8. Prof. Sukumar Mishra, of IIT Delhi was felicitated for receiving the outstanding engineer award from PES-IAS Delhi chapter.

9. Prof. R. K Shevgaonkar, Fellow IEEE, Director IIT Delhi, delivered the Guest lecture on "Learning from Nature". He was then felicitated by both Dr S. K. Koul, the outgoing and by Prof. Bhim Singh, the incoming Chairman of the IEEE Delhi section.

10. Dr. V. R. Singh, Chair, Nomination Committee (with Members, Prof. S. C. Dutta Roy, Mr H. L. Bajaj, Prof. R. K

Shevgaonkar and Prof. R. K. mallik) announced the slate for Section Executive Committee for the year 2013 as follows:

Position   Name   Affiliation
1. **Chairperson** Prof. Bhim Singh, IIT-D
2. **Exec Vice Chairperson** Prof. Mini S. Thomas, JMI
3. **Vice Chairperson** Dr. K. Subramanian, ex-NIC
4. **Secretary** Dr. Prerna Gaur, NSIT
5. **Jt. Secretary** Mr. Ravindra Joshi. Tata Power Delhi Distribution Ltd.
6. **Treasurer** Dr. Rachana Garg, DTU
7. **Past Chairperson** Prof. Siban K. Koul, IIT-D
8 **Member** Dr. Ajay Agarwal, CSIR
9. **Member** Dr. Deepak Garg, Thapar Univ., Patiala
10. **Member** Mr. Vijay Dutt, ex-Rlys.
11. **Member** Dr. Vipin Kakkar, ex-Philips
12 **Member** Prof. Abdul Q. Ansari, JMI
13. **Member** Prof M N Hoda, BVICAM
14. **Member** Dr. Shabana Urooj, GBU-G.Noida
15. **Member** Mr. Rajendra K. Asthana, ex-BHEL
16. **Member (GOLD)** Mr. Imran Ali, ex-JMI

11. The nomination committee for the year 2012-2013 was constituted as per the following:

   Prof. S. K. Koul, Chair,
   Prof. R. K Shevgaonkar, Member
   Dr. S. Mukhopadhyay, Member

12. In all 116 members (Members=60, Student Members=50 and Special Invitees=6) attended the AGM.

13. The past treasurer & newly-elected Secretary, Dr. Prerna Gaur, proposed a 'vote of thanks' and the meeting ended with the thanks to the Chair.

14. Various Chapters and Affinity Groups held their AGMs after the section AGM. Annexure-I

ANNUAL REPORT IEEE DELHI SECTION 2012

IEEE Delhi Section was very dynamic in 2012 with activities peaking to all time high of total 201 consisting of 134 Technical, 23 Professional, 39 Administrative and 5 Non-Technical events. Many personalities, namely a few **Prof. P. K. Sen**, DL of IAS, Prof. **R. P. Jindal**, Prof. **V. K. Arora**, Prof. **V. Ramgopal Rao** DL of EDS, Dr. **Saifur Rahman** and **Hermann Koch** DL of PES, Prof **P. Pillay** and Prof. **Dushan Boroyevich** DL of PELS, have delivered lectures at different chapters of Delhi Section. Besides, Prof **Joy Laskar**, Prof. **Peter Siegel**, Prof **Ulrich Rohde**, had also visited IEEE Delhi section MTT chapter for delivering expert lectures.

This year the Section and the associated Chapters received the following awards

- Outstanding Small Chapter runner up award by PES-IAS chapter.
- High performing chapter award (HPCP) by PES- IAS chapter
- IEEE Region 10 WIE support fund of $ 300.00.
- R10 WIE Section Affinity Group of the Year Award by WIE Delhi Section.
- Best membership growth ward of $1000 by PES-IAS chapter
- First Prize of Region 10 Website Competition by student branch of

Amity School of Engineering & Technology.

- Section Growth Incentive of $500.
- Senior member rebate of $100.

In addition, several members received recognition and awards from the IEEE.

- Dr. R. G. Gupta was conferred with the Academia-Industry Partnership Award for the year 2012.
- Dr. Prerna Gaur of NSIT has received the R10 Outstanding Branch Counsellor Award.
- Ms Vimal Gaur, branch counselor MSIT has received Global award of Outstanding branch counselor.
- Mr. Sanjeev Kumar, branch counselor of Amity Brijwasen and students have received the Global award Best website.
- Prof. Mini Thomas appointed as 2013 IEEE MGA volunteer position.
- Prof. S. S. Murthy of IIT Delhi and Prof. Om Prakash Narayan Calla of International centre for radio science, Jodhpur have been elevated to the level of Fellow IEEE.
- Prof. Sukumar Mishra of IIT Delhi, was selected to receive the IEEE PES-IAS Delhi Chapter outstanding Engineer Award for 2012.

Further, the following chapters were started in this year.

- Geoscience and Remote Sensing Society

- Solid-State Circuits Society
- Education Society

In 2012, 7 new student branches, 5 student branch chapters and 2 affinity groups were formed. Petitions for 1 new student branch were forwarded to the IEEE HQ.

- Shri Ravindra Joshi organized a Global Warming Awareness cum Innovative Idea Generation program in collaboration with the UN Information Centre (UNIC) in Select Citywalk, Saket in Delhi.
- Students of Delhi Section got financial assistance to attend the WIECON-2012 AND, AISC 2012 at Hyderabad and Bangalore.
- Two-day Delhi Student Congress was started this year with the first one held at NSIT in October 2012.

IEEE Delhi Section has also extended support to the following conferences that were held in 2012:

- World Wide Security and Mobility Conference, held on 12th April 2012 at IIT Delhi.
- International Conference on Signal Processing, Computing and Control (ISPCC) held at JUIT, Solan, during 15-17th March 2012.
- Fifth India International Conference on Power Electronics held during 6-8th Dec. 2012 at Delhi Technological University (Co-sponsored by IEEE

PELS-IES Delhi Chapter, & IEEE PES-IAS Delhi Chapter).

- Fifth Power India Conference held during 19-22th Dec. 2012 at Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Co-sponsored by IEEE PELS-IES Delhi Chapter, & IEEE PES-IAS Delhi Chapter).

- Second International Conference on Parallel, Distributed and Grid Computing (PDGC-2012), held at JUIT, Solan, during 6-8 Dec. 2012.

IEEE Delhi Section has also in principle committed to support technically to the following conferences that are to be held in 2013:

- International Conference on Communication and Electronics System Design (ICCESD-2013), at MNIT Jaipur, during January 28-30.

- National Conference on Communications-2013 at IIT Delhi during Feb 15-17.

- 3rd International Conference on Advanced Computing, at Ajay Kumar Garg Engineering College, Ghaziabad during Feb 22-23.

- International Conference on Communication Systems and Network Technologies (CSNT-2013), at Gwalior, during April 5-8.

- 6[th]International Conference on Contemporary Computing (IC3-2013), at JIIT, Noida during Aug 8-10.

- International Conference on Signal Processing, Computing, and Control (ISPCC-2013), at JUIT, Solan, during Sep 26-28.

- International Conference on Image Information Processing (ICIIP-2013), at JUIT, Solan, during Dec 9-11.

Statistics of active members of the section during 2010 to 2012 are as follows

	2010	2011	2012
Affiliate	37	26	37
Associate Member	70	61	77
Fellow	8	7	7
Graduate Student Member	301	351	470
Honorary Member	3	3	3
Life Fellow	1	3	4
Life Member	4	5	5
Life Senior	12	15	17
Member	883	1109	1168
Senior Member	168	175	169
Student Member	2266	2894	3200
Total	3753	4649	5157

The membership is steadily growing.

In short, IEEE Delhi Section had a very fruitful year. I take this opportunity to thank one and all, who helped in running the activities smoothly.

Prof. Sukumar Mishra, Outgoing Secretary, IEEE Delhi Section 2012

Annexure-II

Financial Report for the year 2012

Receipts

S.N.	Item/ Head	2012	2011	2010
1.	**Opening Balance :-**			
	SBI IIT Delhi	1,139,252.95	1,079,123.36	850,599.56
	Cash in hand	0.00	4,663.00	12,498.00
	Stale Cheques		3,000.00	
2.	Contributions			
	Sponsorships^ for HTC and Beacon	55,000.00	30,000.00	304,000.00
	Sponsorships^ for IICPE2012	50,000.00		
3.	Head quarter Rebate for			
	Section & Chapters	1,173,682.02	893,770.00	807,368.00
	MTT Delhi Chapter HQ	55,619.60	51,610.00	
	MTT student Chapter IITD HQ	66743.52		
4.	Section Growth Incentive	22,837.00		147,979.00
	Surplus from Workshops			
5.	Other receipts			
	PES Chapter Funding - PES Student Branch, New Delhi	21,800.00		
	R10 WIE Affinity Group of the Year Award - Delhi Section WIE	13,625.00		
	R10 Award website ontest- ASET	27,250.00		
	Bank Interest	40,018.00	37,147.00	41,874.00
	WIE grant	14,401.00	36,016.00	
	senior member rebate $100	4,860.00		
	R10 SAC GINI Delhi Section rebooting	7,194.00		
6.	Program Revenue			
	Educational activities			
	Conference - Workshops			
	Seed Money - IACC'10 Refund			100,000.00
7.	Loans and Advances Repaid *		61,604.00	
	Conference - Workshops			
	Member Subscription			
	Refund from Chapters			8,000.00
	Total	2,692,283.09	2,196,933.36	2,272,318.56

Disbursements

S.N.	Item/ Head	2012	2011	2010
1.	Meetings (Tech. & Admin)	117,104.00	70,625.00	103,996.00
	AGM Expense	248,777.00	144,195.00	97,543.20
2.	Publication Expenses	52,975.00	45,000.00	26,525.00
3.	Conference Expenses kol/AISC	62,875.00	44,000.00	318,000.00
4.	Educational Activities/ GINI	5,000.00	13,000.00	25,000.00
5.	Professional Activities (DL Etc.)		73,739.00	
6.	Student Activities	374,243.52	281,981.00	307,099.00
7.	Conference iicpe2012	50,000.00		39,621.00
8.	Membership Dev. & Nomination / Award	34,642.80	40,639.41	13,093.00
9.	**Support To Chapters/ council**	**280,644.00**	**212,307.00**	**101,667.00**
	DL by Comm. Soc. Chapter	21,000.00		35,000.00
	PES-IAS/PELS-IES (for 3 Yrs each)		56,000.00	
	Consultants Network Affinity group	10,000.00	4,620.00	15,009.00
	Comm. Soc. Chapter	10,000.00	10,000.00	
	Computer Soc. Chapter	12,000.00	20,000.00	9,000.00
	CAS-Control /CIS Chapter	14,525.00	10,000.00	23,458.00
	WIE Affinity Group	47,500.00	8,954.00	5,000.00
	HTC Events ^	80,000.00	58,733.00	20,200.00
	MTT-S Chapter Colequlam & Annual Rebate	65,619.00	34,000.00	20,000.00
	TMC Chapter	10,000.00		
	IM-EMBS Chapter/ EMBS/IMS	10,000.00	10,000.00	9,000.00
10.	Office Expenses	30,477.00	23,303.00	21,156.00
11.	Bank Charges	780.00	1,768.00	1,233.00
12.	Electronic communications	11,000.00		
13.	Surplus shared from the conference			36,995.00
14.	Section Congress $		80,464.00	61,604.00
15.	GOLD Affinity Group	1750	26,659.00	
16.	**Closing Balance :-**			
	SBI IIT Delhi	1421014.77	1,139,252.95	1,079,123.36
	Cash in Hand	1,000.00	0.00	4,663.00
	Total	2,692,283.09	2,196,933.36	2,272,318.56

Place : New Delhi   Date : 25/01/2013   ^ : Through Sponsorships

Ravi K Aggarwal
Auditor

Prema Gaur
Treasurer

January 7, 2014

IEEE Education Society Delhi Chapter AGM on the same day after the Section AGM in the allocated slot

Agenda

Address by Chapter Chair
Confirmation of the Minutes of last AGM*
New Exec Com of Chapter for 2014**
Plan of activities during the year 2014
Any other item with the permission of the Chair

Subrata Mukhopadhyay
Chair, IEEE ES Delhi Chapter

* [DELHI-EDUCATION] Circulation of Minutes of Annual General Meeting of newly established IEEE Education Society Delhi Chapter held at 5 pm on August 31, 2012 in the Committee Room, CARE, Indian Institute of Technology Delhi
To: DELHI-EDUCATION@listserv.ieee.org

No. IEEE/Delhi-12/16
September 04, 2012 (Tuesday)

My dear Members of IEEE Education Society (ES) Delhi Chapter,

I draw your kind attention to the Minutes of Annual General Meeting of the IEEE Education Society Delhi Chapter that was

held at 5 pm on August 31, 2012 (Friday) in the Committee Room, CARE, Indian Institute of Technology Delhi, as given below.

1.   Address by Interim Chair –
Interim Chair, Subrata Mukhopadhyay, giving an account of the establishment of the Chapter on June 25, 2012 welcomed the other members present (Prof. / Dr. / Mr. / Ms. Shiban K. Koul, Abdul Q. Ansari, Sharbani Bhattacharya, Ravi K. Aggarwal, who joined late, & Daman Dev Sood of Section Exec Com) and took up the items of agenda ad seriatim.
    .
2.   Formation of IEEE ES Delhi Chapter Exec Com –
It was unanimously decided to form the Chapter Exec Com as detailed below:
Dr. Subrata Mukhopadhyay (GTBIT), Chairperson
Prof. K. Subramanian (IGNOU), Member
Prof. Abdul Q. Ansari (JMI), Member
Prof. Shiban K. Koul (IIT-D), Member
Ms. Sharbani Bhattacharya (IEC), Member
Mr. Ravi K. Aggarwal (Doosan), Member
Dr. Deepak Garg (Thapar Univ.), Member (ex-officio)

3.   Plan of activities for the rest of the year –
A half-day / full-day seminar to be held in the broad area of 'Education, Research, and Training' within next 2-3 months for which Section would be approached for financial support of Rs.10,000/- and a couple of lectures along with Affinity Groups / Chapters in the areas of common interest.

4.   Budgeting –
For the time being for want of clear-cut assessment, the issue was postponed.

5.   Any other point –
In the absence of any other point for discussion, the meeting was adjourned for the day.

Thanking you and with regards,
Sincerely yours
Subrata

Section E-mail: ieeedelhi@ieee.org

Section Web-site: www.ewh.ieee.org/r10/delhi
IEEE ES Delhi Chapter Web-page: www.ewh.ieee.org/r10/delhi/e.html
_____
Prof. (Dr.) Subrata Mukhopadhyay, valued IEEE Member for 43 years
(GTBIT, GGSIP University, New Delhi)
Former R10 Representative & Member of PES Governing Board
Chair, Education Society Chapter, Chair, STDCOM on 'History', &
Electronic Communication Coordinator of IEEE Delhi Section
B-802 Appu Enclave CGHS Ltd
Plot No. 3D, Sector - 11, Dwarka Ph-I
New Delhi - 110 075, INDIA
Tel: +91-11-43098372, 28035802 (H)
Mo: +91-9811477956, 9968294972

** Chapter Executive Committee for 2014 [Refer Minutes of Meeting - Notice for the offline e-meeting of extended Exec Com (to include all the present members) of IEEE Education Society Delhi Chapter from 29 to 31-Dec-2013 & expression of interest to serve the 2014 IEEE Education Society Delhi Chapter Executive Committee circulated vide No. IEEE/Delhi-13/68 dated December 31, 2013 (Tuesday)]

Sl. No. Position Name Organization

1. Chairperson Dr. Subrata Mukhopadhyay

    GTBIT

2. Secretary   Prof. K Subramanian

    Ex-NIC

3. Member   Prof. Abdul Q. Ansari

    JMI

4. Member   Prof. Shiban K. Koul

    IIT-D

5. Member   Prof. Bhim Singh

    IIT-D

6. Member   Ms. Sharbani Bhattacharya

    IEC

8

7. Member   Mr. Ravi K. Aggarwal

          Doosan

8. Member   Dr. Deepak Garg

   (ex-officio)   Thapar Univ.

January 28, 2014

Notice for the IEEE PELS-IES Delhi Chapter Annual General Meeting

No. PELS-IES-Delhi-2013-001
January 28, 2014

The Annual General Meeting (AGM) of IEEE PELS-IES Delhi Chapter will be held on 23rd February 2014 (Sunday) between 12.30 Hrs to 14:00 Hrs at Seminar Hall, IIT, Delhi.

Program for the Day:
12.30 Hrs to 14:00 Hrs   Chapter Annual General Meeting
14:00 Hrs Lunch

Agenda

Address by the Chapter Chairman
Confirmation of the minutes of the previous AGM (Annexure I)
Presentation by the Secretary regarding the activities in 2013
Presentation of the financial statement for the year 2013 by the treasurer
Election of Executive Committee for the year 2014 (Annexure II)
Any other item with the permission of the Chair
Vote of Thanks

All members of PELS-IES chapter are requested to attend the meeting with their spouse.
The AGM will be followed by lunch; a word of confirmation will be appreciated.

                     J.B.V.Reddy
      Secretary, IEEE PELS-IES Delhi Chapter
New Delhi
January 28, 2014

Distribution:
IEEE Members of IEEE PELS-IES Delhi Chapter

ANNEXURE I

Minutes of the IEEE PELS-IES Delhi Chapter Annual General Meeting

No. PELS-IES-Delhi-2013-002
February 5, 2013

A warm welcome was extended to all the members of the PELS-IES Delhi Chapter by the Chapter Chair.
The minutes of the last AGM was proposed by Prof. Mini Thomas and seconded by Dr.S.Mishra and it was confirmed.
The activity report for the year 2012 was presented by Dr.Prerna Gaur. This was proposed by Prof. Mini S Thomas and seconded by Dr. Sukumar Mishra.
The Income-expenditure statement for the year 2011 was presented by Mr.J.B.V.Reddy This was proposed by Dr. Rachana Garg and seconded by Prof. Mini S. Thomas.
Prof. Bhim Singh, Chair Nomination committee declared the slate for the next year (2013) for the execom of PELS-IES Delhi Chapter as under:

S No.	Position	Name Organization
1.	Chairperson	Dr.Prerna Gaur NSIT, Delhi
2.	Secretary	Mr. J. B.V. Reddy DST, Delhi
3.	Treasurer	Dr. Ashu Verma IIT-Delhi
4.	Past-Chair	Dr. Bhuvaneswari Gurumoorthy IIT- Delhi
5.	Member	Prof. Madhusudan Singh DTU, Delhi
6.	Member	Prof. Sukumar Mishra IIT- Delhi
7.	Member	Dr. Vishal Verma DTU, Delhi
8.	Member	Dr. Radheshyam Saha CEA Delhi

9.	Member (GOLD)Mr. Chinmay Jain
		IIT- Delhi

This execom was proposed by Dr. Rachana Garg and seconded by Dr. P.V.Ekande.

It was decided that the following activities should be taken up: (a) Technical lectures by distinguished speakers should be arranged in IIT, NSIT, DCE and JMI (b) Many industrial visits should be arranged for students in these institutions. (c) GOLD activities should be encouraged.

Regarding increasing membership of IEEE the following steps are to be taken: (a) Membership drive should be taken up to increase the enrollment in IEEE at every institute level. (b) All the eligible members in PELS and IES are to be elevated to Senior Member grade. This year also such efforts have been done. (c) Student members should be encouraged to join IEEE.

The following miscellaneous items were discussed: (i) IICPE 2012 in December will be conducted in DTU for which a seed money of Rs.20000/- is given. (ii) From 2012 onwards, for every lecture, a honorarium of Rs.2500/- will be given (iii) The execom members will be given a conveyance allowance of Rs.1000/- for attending the execom meeting.

The meeting ended with vote of thanks to the Chair.

Dr. Prerna Gaur
Secretary, IEEE PELS-IES Delhi Chapter

<u>Distribution</u>: To all the members of IEEE PELS-IES Delhi Chapter

ANNEXURE II

Executive committee slate for the year 2014 for the PELS-IES Delhi Chapter

S No.	Position	Name Organization
1.	Chairperson	Dr.Prerna Gaur NSIT, Delhi
2.	Secretary	Mr. J. B. V. Reddy DST, Delhi
3.	Treasurer	Dr. Ashu Verma IIT-Delhi
4.	Past-Chair	Dr. Bhuvaneswari Gurumoorthy IIT- Delhi
5.	Member	Prof. Madhusudan Singh DTU, Delhi
6.	Member	Prof. Sukumar Mishra IIT- Delhi
7.	Member	Dr. Vishal Verma DTU, Delhi
8.	Member	Dr. Radheshyam Saha CEA Delhi
9.	Member (GOLD)	Mr. Chinmay Jain IIT- Delhi
10.	Member	Prof. Bhim Singh, Past Chair IIT- Delhi
11.	Member	Prof. Subrata Mukhopadhyay, Past Secretary GTBIT, Delhi

January 28, 2014

AGM of PES-IAS Delhi Chapter

AGM of PES IAS Delhi Chapter is scheduled on **23rd Feb 2014 (Sunday)** at Seminar Hall, IIT, Delhi
AGM : **12.30 - 2.00 PM**
Lunch: 2 pm ,

The AGM agenda for will be as follows

1. Welcome address by Chair
2. Confirmation of the minutes of the last AGM held on 2nd Feb 2013
3. Activities Report- Secretary
4. Financial Report - Treasurer
5. Election of the Executive Committee for the year 2014
6. Any other item with the permission of chair.

Kindly make it convenient to attend the same

Annexures
1. Minutes of the last AGM
2. Slate for 2014
Regards
Dr. Rachana Garg

Associate Prof, EED, DTU
SMIEEE
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Minutes of IEEE PES-IAS Delhi Chapter Annual General Meeting (Held on 3rd Feb 2013)

The Annual General Meeting (AGM) of IEEE PES-IAS Delhi Chapter was held on 3rd Feb 2013 (Sunday) at 12.00 noon at Hall 1, 2, 3, Kamladevi Block, India International Centre. It was attended by 18 members.

The minutes of the meeting are as follows:

1. Address by the Chapter Chairperson

In her address, Prof. Mini S. Thomas, Chair, IEEE PES-IAS Chapter, welcomed the members present in the AGM and informed that the year 2012 had been an eventful year with as many as 46 activities (36 Technical, 5 administrative, 5 Professional). The membership of the PES chapter grew considerably and senior member elevations also happened in 2012. The chapter had received a grant for Student Awareness Program (US$ 400). The chapter also received the High membership growth award US$1000) and High performing chapter award (US$980). She thanked the execom members for their support and cooperation.

2. Confirmation of minutes of the last AGM held on February 5th 2012

The minutes of the last AGM held on Feb. 5th 2012 were approved as proposed by Prof. S. Mukhopadhyay and seconded by Dr. Sukumar Mishra.

3. Presentation of Activity by the Secretary

Dr. Rachana Garg, Secretary, IEEE PES-IAS Delhi chapter presented the secretary's report. She made a detailed presentation of the activities of the chapter during the year 2012. Dr. Sukumar Mishra was selected to receive the Outstanding Chapter Engineer Award 2011. Thomas Alva Edison memorial lecture was delivered on 22 Nov.2012 by Prof. Ned Mohan. The IEEE PES-IAS Delhi Chapter had cosponsored two conferences – India International Conference on Power Electronics, IICPE2012, 6th -8th Dec.2012 at DTU and POWER India Conference, 19th-22nd Dec.2012 at DCRUST. Both the conferences were highly successful. The chapter was the Runner Up in the large Chapter category received the 'High Performing Chapter Award' for the year 2011. The chapter received award for high membership growth. The report was approved as proposed by Prof. Bhim Singh and seconded by Mr. R K Asthana.

4. Presentation of Financial Report by the Treasurer

Dr. V. K. Chandana, Treasurer of the chapter, presented the financial report for the year 2012. The statement of accounts was accepted as proposed by Dr. R. S. Saha and seconded by Mr R K Asthana.

5. Election of Executive Committee for the year 2013

The Nomination Committee chair, Prof. Bhim Singh recommended the following slate of IEEE PES-IAS Delhi Chapter Executive Committee for the year 2013.

1. Chairperson, Dr. Sukumar Mishra, IIT-D
2. Secretary, Dr. Rachana Garg, DTU
3. Treasurer, Dr. Ashu Verma, IIT-D
4. Past-Chairperson, Prof. Mini S. Thomas, JMI
5. Member, Dr. R. S. Saha
6. Member, Mr. Ravindra Joshi, NDPL
7. Member, Mr. Ravi Agrawal
8. Member, Dr. Bharat Singh Rajpurohit, IIT-HP-Mandi
9. Member, (GOLD), Mr. Chinmay Jain, IIT-D

The slate was accepted as proposed by Mr. H. L.Bajaj and seconded by Mr. R K

Asthana. It was also suggested that all the past chairs should be the coopted members. In addition to that, the co opted members are, Dr. G. Bhuvneshwari, Dr. Prerna Gaur, Mr. Vivek Pandey, Mr. P. V. Ekande and the past chairs Mr. M.M.S.Puri. Prof. B.P.Singh, Prof. Bhim Singh, Prof. Subrata Mukhopadhyay

It was also decided to postpone the India International Conference on Power Systems, to be held at JMI in December 2013 till further notice.

The new Chair, Dr, Sukumar Mishra took over and thanked the Nomination Committee for selecting the new Execom. He informed that about 30% of the Section's activities are contributed by the chapter and assured that the chapter will keep pace with last year's activities.

Meeting ended with a vote of thanks to the Chair.

Prof. Mini Thomas   Dr. Rachana Garg
(Chair)   (Secretary)

Slate for 2014

Dr. Mini Thomas, the nomination committee chair announced the slate for the next Execom as follows:

1. Dr. Sukumar Mishra (Chair)
2. Dr. Rachana Garg (Secretary)
3. Dr. Ashu Verma (Treasurer)
4. Prof. Mini S. Thomas (Past chair)
5. Prof. Ratna Dahiya, Member
6. Mr. Ravindra Joshi, Member
7. Dr. Bharat Singh Rajpurohit, Member
8. Mr. Ravi K Aggarwal, Member
9. Mr. Chinmay Jain (GOLD), Member

Feb 10, 2014

IEEE DELHI SECTION CONSULTANTS NETWORK AFFINITY GROUP

Mr. Ravi K. Aggarwal Chairman
e-mail : rkaggar1@yahoo.co.in

Dr. V.K. Chandna Secretary-cum-Treasurer
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Notice for the Annual General Meeting 2014

The Annual General Meeting 2014 of IEEE Consultants Network Affinity Group will be held on 23rd February, 2014 (Sunday) at 1230 Hours in Seminar Hall, IIT, New Delhi after the AGM.

Agenda

1. Welcome address by the Chairman

2. Confirmation of MOM of the AGM held on 3rd February, 2013(Annexure-I)

3. Presentation of Activity Report by the Secretary-cum-Treasurer

4 Election of the Executive Committee for 2014

5. Planning of activities for 2014

6. Any other item with the permission of the Chair

7. Vote of Thanks

All members of Consultants Affinity Group are requested to attend.

Dr. V.K. Chandna

Secretary-cum-Treasurer,
Consultants Affinity Group 2013

Distribution: Members of Consultants Affinity Group

ANNEXURE I

Minutes of AGM of Consultants Network Affinity Group of IEEE Delhi Section

The Annual General Meeting (AGM) was held at IIC, New Delhi, at 1200 Hours on

February 03, 2013 (Sunday), in presence of the following members of IEEE Delhi Section:

1. Dr. Subrata Mukhopadhyay

2. Dr. Bhim Singh

3. Mr. Ravi K Aggarwal

4. Dr. G. Bhuvaneswari

5. Dr. Mini S. Thomas

6. Dr. Prerna Gaur

7. Mr. P.V. Ekande

8. Dr. Sukumar Mishra

9. Mr. H.L. Bajaj

10. Dr. V.K.Chandna

11. Dr. Ashu Verma

12. Dr. R.Saha

13. Dr. Rachana Garg

14. Mr. R.K. Asthana

15. Dr. Shiban K. Koul

The following points were discussed / resolved:

I. Chairperson Mr. Ravi K. Aggarwal welcomed the members present and initiated the meeting as per items on agenda ad seriatim.

II. Minutes of last AGM held on February 19, 2012 were confirmed as proposed by Dr Subrata Mukhopadhyay and seconded by Dr Bhim Singh.

III. New Exec Com of the Affinity Group for the year 2013 was constituted with the following in position:

1. Mr. Ravi K Aggarwal (Doosan) – Chairperson

2. Dr. V.K. Chandna (ITS, Noida) – Secretary-cum-Treasurer

3. Dr. Subrata Mukhopadhyay (GTBIT) – Past Chair

4. Dr. Bhim Singh (IITD) – Member

5. Mr. Daman Dev Sood (Continuity & Resilience) – Member

6. Dr. Sukumar Mishra (IITD)-Member

7. Dr. K. Subramanian (Ex-IGNOU)-Member

8. Mr. R.K. Asthana (Ex-BHEL)-Member

This slate was proposed by Mr. H.L. Bajaj and seconded by Mr. P.V. Ekande.

IV. For the calendar year 2013, it was decided to carry out a number of round-table discussions and a major Conference.

Tentative topics are as given below:

1. Patent Laws

2. Accreditation Process

3. Engineering Education

4. Power Systems Operation

5. Communication Protocols

In this context suggestions came for:

- Legal challenges of Mobile communications - a Lecture and interactive session with Mr. Pawan Duggal on March 13, 2013.

- One day seminar on Cyber Crisis, Cyber Fraud and Cyber Forensics: Corporate Challenges of securing Cyber Space (in April 2013 or July 2013), preferably at IIC/IHC.

- Proposal for joint conference with IEEE Education Society and Technology Management Council Chapters:

National conference on "Quality Education for All-Technology and Management Challenges of this Century" in May-June 2013 at IHC or IIC.

V. The meeting concluded with Vote of Thanks proposed by Dr. V. K. Chandna, Secretary-cum-Treasurer.

Dr. V.K. Chandna

Secretary-cum-Treasurer,

Consultants Network Affinity Group

IEEE Delhi Section

Circulated to Members of Consultants Network Affinity Group

Feb 16, 2014

IEEE DELHI SECTION IMS.EMBS JOINT CHAPTER

Notice for the Annual General Meeting 2014

The Annual General Meeting 2014 of IEEE IMS.EMBS Joint Chapter will be held on 23rd February, 2014 (Sunday) at 12300 PM, after the main AGM of IEEE Delhi Section.

Agenda is as follows:
1. Welcome address by the Chairman
2. Earlier AGM report
3. Activities organized
4. Election of the Executive Committee for 2014
5. Planning of activities for 2014
6. Any other item with the permission of the Chair

7. Vote of Thanks

All members of IMS.EMBS Chapter are requested to attend.

Dr. V.R. Singh
Chapter Chair
email: vrsingh@ieee.org

As reported by Er Vijay K Dutt on January 13, 2014

Er. R K VIR Memorial Lecture on Electrification & challenges in Indian Railways by Er N Venkatesan, *former* Member Electrical Railway Board and Chair IET Delhi Local Network

At the outset, I wish to state that I consider it a great honor &privilege to be invited by the august bodies to give the Er. R K Vir Memorial lecture on the topic "Electrification & Challenges on Indian railways"

My association with Shri RK Vir were in short spells.- first around 1962 at Zurich, when he was Dy. Railway Advisor in Indian Embassy, Switzerland overseeing Inspection of first 25 AC Locomotives & Equipments for manufacture of these Locos in Cittaranjan Loco Works ordered on an European Consortium of Alsthom, Brown Boveri, AEG, Siemens & ACEC Belgium . I was in UK undergoing a post graduate program in Electric Traction at the Imperial College Of Science &Technology London from Indian Railways. During my short visit to Switzerland, he suggested& arranged a visit to BB's Air Circuit Breaker factory at Orlikon at very short notice. Later I came in close contact with him In S E Rly, in 1981 when I joined as CEE(loco)&he was CPLO/ S E Rly. He had just completed a brilliant stint as DRM/CKP handling the largest loading division of IR, grappling with the problems of a large population of Monomotor WAG1-4series frequently failing in adhesion on the Saranda tunnel region of CKP Division, a

problem getting aggravated particularly during winter foggy months, with Sal leaves falling on track creating oily conditions. There was large scale failure of 1580 HP motors & transmission drives in the-monomotor bogie due to wheel slips. This problem led IR to the development an hybrid Co- Co Bogie Loco (using the WDM2 Diesel bogies with newly developed design of axle hung-750 HP TAO 659 Motors from Alsthom. It taught an important lesson to Rly. Electrical Engineers that starting adhesion in an Electric Loco is as important as pursuing higher HP

I worked for a brief period under Sh Vir when he became CEE/S E Rly, before I was transferred as DRM/ALD. Later as General Manager CLW ER Vir introduced several innovative modifications & boosted capacity for Electric Loco Manufacture, vitally needed then. He handled industrial relations firmly. I always found him deeply committed to his cause & stood steadfast to his conviction without bothering about repercussions on his career

We must remember Electrification on IR started on 1500v DC system on the Kalyan Bombay VT-Kalyan in 1925, later on extended over Igatpuri-Pune Ghat section of the old GIP Rly & suburban system of the BBCI Rlys from Church Gate-Virar section progressively. I joined C Rly as a probationer in 1957 & under training in the system, started admiring the vision of the original designers &planners. Way back from 1930's,the substations were remote controlled from Bombay VT on simple DC pulse systems & Electro –Mechanical telephone Strowger switches. Rotary AC/DC Motor converters ,deriving supply from 110 kv AC Rlys own transmission system fed 1500vDC to the catenary. Resistances were brought in & cut out later while starting the

motors, on remote control. This system worked nearly for 50 years till it got replaced by modern SCADA System around 1991.

The OHE & locomotives were built robustly (with British Origin & conservative approach to Design margins).There was an interesting Swiss design of a small fleet of Steam Loco inspired Jack shaft Drive coupling all the wheels. The Locomotives had given more than 50 years service, till replaced by CLW built Locos

Railways had set up their own Power House at Thakurli to generate power for the traction system & in fact it used to contribute peak power to Bombay city requirements. It was unfortunate we could not replace the plants & closed the power house in 1960's- a costly mistake when we find Electricity Boards are now charging abnormal high tariff for Electric Traction. In fact in 1991,during Janata Regime, Honorable Prime Minister Mr. V P Singh wanted our Railway Minister Mr. George Fernandez to examine whether Indian Railway's could consider setting 4 mega power projects(1000MW each)in different zones as there were frequent problems of strikes in U P Electricity Boards etc. I mentioned to Shri Fernandez that IR had considerable experience even in coal mining during steam days & experience with Chola Power House. There was resistance from the Power Ministry to the suggestion & within Rlys there was also an opposing view that RLY's should concentrate only on its core activity i.e. transportation . There was the experience of Railways vertically integrating with Power Generation as in case of Hong Kong, Japanese Rlys etc. The proposal could not be progressed much with Janata Government also falling. The Power Secretary then mentioned to me that

considering Maharashtra's Peak hour shortages they could consider a gas based plant by Rlys at Thakurli but gas was in short supply.

I am happy to note that subsequently IR has taken equity investments in Power plants with NTPC, to avail benefits of lower tariff permissible to captive generation users, in Indian Elec. Act 2003. I think it makes sense for Rlys to take stakes in Power Generation further to control input costs & it should be possible to justify that the investment can give adequate returns, of course the problem is the several competing demands on Railways scarce Capital resources.

In middle of 1950's decision was taken to electrify Calcutta Suburban system on 3000VDC,an up gradation over older 1500 v system, to handle increased traffic density & following developments in Europe ,S Africa. Some of us as probationers from C Rly were transferred to Calcutta Elect Project in mid 1957.The first phase of the Project was inaugurated by Mr. Jawahar Lal Nehru in Dec 57 from Howrah to Sheoraphali & he spent some time in the Driving Cab. There was an interesting issue, I recall that evening of inauguration when Eastern Rly held a Dinner in honor Late Mr. Jagjivan Ram ji who was then Rly minister. Mr. Jagjivan Ram during dinner after conversing with Board Members & seniors strayed away to our group of probationers standing in a corner. I just mentioned to him the day we were inaugurating 3000 v system there was news that the Railway Board had decided to adopt 25 kv AC traction system &that Calcutta project would need to be converted on 25kv AC. He jumped & said" who told you Rly Board took the decision. They could not take the decision, I had to intervene to decide on AC system. I know AC is better than DC, I have studied Physics in my graduation during my Jail imprisonment"

I recalled this to Mr. PN Murthy then GM Rly Elect when he visited CLW in 1967 to see the progress of Elec. Loco &Traction Motor manufacturing Project. Mr. Murthy was CEE/E Rly in mid 1950's,one of the few officers allotted to Elect Dept from Jamalpur cadre. As the senior most CEE in IR cadre ,he was drafted to Rly Board as an officer on special duty to progress Collaboration with French Railways on 25 KV traction. He said adoption of AC system was vehemently opposed by CEE's of Central &Western Rlys as they felt DC was superior, AC system was new &untested anywhere else. Based on their advice, the Board got divided, unable to commit for the new system. As the Bilateral agreement with French Govt was getting delayed, the Minister after reviewing took the bold decision to opt for 25 Kv AC system, a momentous decision which proved right as progressively all Railways in the World adapted 25 kV as the standard System. It is a great example how momentous decisions, evaded by specialists are ultimately taken by people with sound common sense.

I was posted as an Asst Elect Engineer/Rly. Elect in CKP Division of S E Rly & later became EX-Engineer /RE overseeing construction in the initial phase of steel belt Electrification of Railways on 25 kV system-Tata- Rourkela, Dongaposi-Raj Kharswan-Adra sections. I was fortunate to be associated with the commissioning of the first section on IR on AC system on the Kendposi section of RajKharswan Dongaposi line in Dec 1959. The French Rly in my opinion gave us one of the finest OHE systems that has stood the test of time over 50years.We took supplies at 25 kV from Electricity Boards in the initial phases, later

we set up sub stations at 132 kV &above, have even been running power lines along the track e.g. as in ALD Division first time .

One weak point of the French collaboration was however, Locomotive designs-WAG1 Locos which failed on the steep grades of S E Rly in adhesion problems. Generally French Equipment were marginally designed compared to British practice. This class of Locos, the French said had given good service on the SNCF in iron ore areas. The reserve capacities were however were not in the Locos to face adverse track conditions, harsh foggy, wet environment &oily leaves falling on the track. IR, following the crisis, had to go for a hybrid diesel co-co bogie design-WAM4-WAG4 series. We happened to discuss the issue, 25 years later with Mr. Nouvion, considered father of High Speed Traction in French Rlys as head of Design & Development, in a seminar in Delhi on RE: he confided that there could be mistakes on their side, but said French Designers, in the initial phase of 25 kV traction in France, were cutting corners to reduce cost to justify Electrification. Looking back I feel Electrification particularly in SE graded sections did not acquit itself very creditably ,in the initial phases.

There is a lesson for all Elect Engineers here, in drawing specifications for Locos Or Equipment, we need to mention the practical track variations expected, variations in voltage, frequency in power supplies, harsh environmental conditions, extended warranty for Equipment etc. We need to build Reliability in Equipment in Design stage itself. Taguchi, the famous Japanese Statistician, talks of the concept of "Robustness in Design" has, evolved several approaches to reliability measures, a practice now widely adapted by major manufacturers globally. Quality System QS-

9000 of US Auto manufacturers calls for FEMA (Failure Mode Effect Analysis)of all auto components at the design stage. I am sure RDSO will be including Reliability studies in specifications.

I had to confront with another environmental problem when I came to the Board as Member in 1989. When we were desperately battling to bridge Nagpur-Itarsi. Durg-Bhusawal section electrification on the N-S&E-W routes, we were confronted on the RE S&T side with the problem of insulated optic fibre cables(laid in HDPE /PVC conduits) being attacked by rodents. The European Supplier of cable first disowned all responsibility & maintained that the cables conformed to international standards, they had added toxic resins to repel small mice's as in Europe but Indian Rodents were abnormal .Luckily there was a clause in specification that the supplier should study the local conditions in cable laying which rescued us. The Danish Supplier finally agreed to take out 30 kms of cable laid already, send it to, Allahabad plant of Hindustan Cables, who had a collaboration agreement to manufacture optic fiber cables in India later clad the cables with Steel tapes & send back for relaying. The later Specification for optic fiber cables were modified to include steel taping. In those days we even toyed with the idea of suspending optic cables on OHE Masts but came a news item that in Australia there were damages by wood pecking birds

While the crisis was in progress, I confided the problem with Rly. Minister Sh George Fernandez showed him some samples of cables bitten by rodents. I also thought it was fit to apprise the Minister, should this issue lead to delays in Electrification programs. Sh Fernandez asked me to leave the samples with him. Next day he called

me & said he discussed the matter with Mr. Devi Lal then Dy. Prime Minister, who told him these were day to day problems farmers like him faced, the Railway Engineers were living in Ivory Towers, they should step out consult farmers on environment. We managed to close North south. East West Electrification almost in time

I joined Cittaranjan in 1965 in the Electric Loco Traction Motor manufacturing Project after completing Mughal Sari Allahabad Electrification in RE.I was deputed for Mfg. training in Alsthom & visited other Group partners like Siemens ,AEG Germany .The manufacture of MG 1580 HP traction motors for WAG4 Locos at Cittaranjan motors was quite successful but later with the decision to build Co- Co Bogie WAM4 Locos, we landed up in problems with TAO 659 Motors, with Armature windings flaring up during over speed tests in the Test bed. Alsthom, our collaborators blamed CLW for poor manufacture. But then imported armatures in service on SE Rly also started failing due to armature banding burst cases. Alsthom accepted responsibility for failures but stated these were mistakes in their own mfg, not willing to admit design failure as it would have brought down Alsthom's image internationally. They took back 100 armatures supplied in SE service, progressively back to France, changed the design of Armature conductor as a monolith section to improve vertical stiffness instead of multiple conductors used earlier to reduce Eddy current losses. CLW later changed the design correspondingly & CLW lost one year of production. In fact CLW produced some Locos with DLW supplied motored bogies-a hybrid of AC loco Super structure &Diesel Loco BHEL motors, lower in HP but tolerated for exigencies. During the period of Diesel motor use in Electric locos, the Chief

Designer of Alsthom, Mr Jouy-very reputed as a TM designer visited CLW & during shop rounds saw the heavy diesel motors,3-2 t against TAO 2-2 t TAO fitted on bogies &asked how such heavy motors were allowed on Eclectic Locos, how could IR get quick supplies of motor. I explained these were IR's own supply for Diesels. Mr. Jouy said at the initial stages of TAO- Design, IR was putting pressure on him to reduce un-sprung weight to allow locos for future higher speeds in Passenger operations. If only he had been allowed little extra weight, he could have produced a very sturdy version. This was an important lesson to us.

IR/RDSO had adopted reduced temperature rise requirements (IEC-20degrees) but seeing large scale failures of motors as also transformers, I felt whether we should reduce to -30degrees add more steel &copper in motors & transformers than adding steel ballasting in locos to improve adhesion. The failure of TAO motors later led to collaboration with Hitachi for a stronger motor for Locos at Cittaranjan & this series I think has become the anchor of our freight operation.

CLW distinguished itself in manufacturing the first fleet of indigenously built DC Locos with imported traction equipment for C Rly in early60's. The philosophy of mechanical shell was derived from the 3000HP English Electric Locos used in Calcutta Electrification. The first loco turned out from Cittaranjan was christened as "Lok Manya" after the great Indian freedom fighter Mr. Lokmanya Tilak by Mr. Jawaharlal Nehru. Mr. Hattangadi, who had great experience in C Rly as DEE/RS in BB Division of C Rly was specially brought in to lead the Project. I joined him later on the AC Elect Loco project which he brilliantly led. Mr. Hattangadi was

a great mentor to me with his deep commitment to Quality &Reliability

CLW later produced in early 70's a DC fleet for C Rly using the AC shell. An AC motor-DC generator was imported to give supply for AC auxiliaries developed for AC Locos. There were considerable problems in frequency control of these MG sets in service. Rheostatic braking was introduced for C Rly Ghat operation, &later adopted for SE Rly grade operation. Later AC/DC loco version was developed for Igatpuri-Bhusawal extension & AC electrification beyond Virar on W.Rly. Notable features of this design, included use of 2 separate pantographs for AC-DC operation, use of AC/DC sensing devices. Later on in early 2000 CLW has done extremely well to indigenize ABB 3 phase locomotives

On the EMU side RDSO & ICF distinguished themselves in developing 1500 V DC stock for C/W Rlys from late 60's using Mech shells derived from conventional Sechreon coaches & the imported DC stock in operation in C/W Rlys. Import & indigenization by BHEL provided the support for Traction Equipment. Special mention should be made about development of 12 feet wide bodied stock to tackle Bombay suburban rush. There were considerable failures of BHEL motors in services, modifications attempted. Later we imported some motors from Fuji Elect &put in service in E Rly

ICF also developed25 KV BGAC EMU stock for suburban operation in Calcutta, Delhi, besides developing a small fleet for Chennai Meter Gauge system. Equally good work was done by RDSO, Eastern& C Rly in 1970'c in converting the released 3000 DC stock for 1500 DC operation. Consequent on conversion of Calcutta Suburban to AC ,Both Central& Western Railways have

distinguished themselves along with !CF in developing 25 Kv AC/DC stock for Mumbai Suburban AC conversion project in the last few years. I would like to congratulate Western Rly for successful completion of AC conversion & Central Rly for Ghat section conversion which must be giving immense benefits to freight operation. Our Chief Guest Mr. Kul Bhushan can always look back at these achievements with pride as he headed W& Central Rlys during crucial periods.

IR needs to be complimented for taking the bold decision to convert the old 1500 dc system in Mumbai to AC. The bold proposals came from C Rly during my tenures as ML. Post retirement, in 1995-1997 I was associated with a Group of German consultants appointed for the World Bank Loan for the Rolling Stock component of the Mumbai Urban Transport Project. The technical support team of WB in Washington comprised mostly of Engineers from USA who were influenced by their background in Washington Subways, Bay Area Rapid Transit in San Francisco & were keen Mumbai should adapt 1500 V DC Chopper system for the new stock without disturbing the OHE. It was an uphill task to change the mind set of Washington technical WB hierarchy to 25 kV AC system with DC 3 phase propulsion. I must give credit to the German consultants, who had the issue discussed by their superiors in Germany with their German Rly counter parts, got convinced of the efficacy of 25kv AC propulsion &stood their grounds with World Bank who finally relented.

On the Main Line side, two technology up gradations on Loco side took place quite closely towards the end of my career in IR. In middle of 1988, import of a small fleet of 18 nos, 25kV Thyristor controlled DC motor

Locomotives from ASEA Sweden& a Japanese Group for Waltair Kirandul Line by the Board. I was CEE/E Rly then &my Colleague Late Dr Durairaj who was CEE/S.E.Rly & who commissioned these locos on a difficult terrain was full of praise for these locos. In fact SE Rly had successfully commissioned then thyristor controlled Capacitor Banks for Power Factor improvement on the Power Supply side & developed considerable expertise on thyristors. Waltair Elect Shed has been doing extremely well

During the end of my tenure in Board, in 1992.import of 3Phase Locos-Passenger & Freight version, with regenerative capabilities from ABB was approved with a letter of intent. The case attracted considerable debate in the Parliament on the tender choice. The Government much later gave the project status of national importance &waived customs duty on the import which gave IR 50%relief on cost. CLW successfully indigenized these Locos & the first Loco Nav Yug was inaugurated by the Honorable Minister for Railways Mr. Nitish Kumar ji early 2000.I as invited for the function by GM/CLW Mr. Chidambaram. During the inauguration Mr. Nitish Kumar mentioned it was strange he should be inaugurating the very loco whose order he had opposed in the Public Accts Committee but was told the technology was very important to IR when he took over the Rlys and& he was very happy at the indigenization effort.

In my tenure in the Board, Computerized Control with ATP/ATS features was sanctioned for Calcutta Metro. Train Communication Projects, additional Optic fibre projects were also sanctioned. Looking back, I felt Electrification has contributed considerably to Signaling & Communication technology up gradation & Safety- Color light Signaling, track circuiting, automatic signaling. use of axle counters, panel interlocking ,optic fiber communication etc& together have enormously contributed to IR Operational capabilities.

Delhi Metro needs to be congratulated for providing a State of the Art Metro for the national Capital, &for a visionary decision to adopt standard gauge, later, falling in line with international practice; this will enable Indian Metros to gain quickly from technological up gradations globally which we could not do in IR being wedded to BG, which is non standard. Delhi Metro has also gone for an innovative 25kV overhead system of power collection, not withstanding large scale use of underground tunnels. They have developed successfully a rigid contact system in the tunnels. The state of the art developments made in Metro stock, Traction distribution should prove quite useful to IR.

Looking ahead, I consider some of the challenges for IR would be:

1. Planning

OHE&TRD rehabilitation on the Civil Engineering Track renewals pattern, introducing more mechanizations as many of the equipment in E&SE Rly are more than 50 years old, &traffic block availability will be getting extremely restricted .It may be a good idea to introduce modern mechanized practices on global level in RE projects first &later transfer these to maintenance. The old DC structures in C&W suburban are getting 100 years old, there is need for taking urgent total replacement-we have attempted piece meal replacements in in the past. Corrosion of Steel stubs & falling of structures can pose serious Safety hazard

2. IR needs to be congratulated for conceiving the Dedicated Freight Corridor as a technological up gradation approach in Freight operation, not merely adding parallel lines on existing tracks as relief lines. We need to factor in Energy Efficiency Reliability & operational excellence in Electric Locos, OHE& Power Supply, Signaling &Wagon stock. I am also told the new corridor will be laid adjacent to existing tracks& share even the Level crossings, in Kanpur –Tundla high density section. As DRM ALD way back in 83-87, we used to have several problems, even damages in not being able to open LC's frequently & when opened face Road Traffic pressure. I think we need to include more ROB's as a part of DFCC. The operation on 7.5 meter height contact system on western corridor for double Decker container operation on western corridor will be an interesting challenge.

3. I understand IR is contemplating 200 kmph up gradation on some of the existing lines. I happened to attend recently the International seminar of Inst. of Rolling Stock Engineers in Delhi & there were several interesting presentations. I also understand Delhi-Ahmedabad line is being proposed for High Speed electrification. If sanctioned, this project should suit for 200 kmph up gradation & OHE should also be so planned in advance.

Development of intercity EMUs, with so much of Electrification, should pay considerable dividends to IR. With Rolling Stock Manufacturers already contributing to Metros, we should be able to get competitive bids.

4. With Indian Economy turning around, I feel there will be a strong case to introduce 300 kmph high speed dedicated lines &perhaps Mumbai-Ahmedabad can immediately qualify with Delhi Mumbai

industrial corridor coming up. I am sure IR will then consider Standard gauge as an important alternative.

5. I also feel there is a case for IR supporting an Urban dev. Ministry initiative in setting up a very high speed short stretch between some Airport & city on magnetic levitation on the pattern of Shanghai experiment in China.

6. One important area Rly. Engineers would need to focus would be skill development of its lowest & youngest rung of employees-I refer to unskilled employees- what Management Guru Prahlad calls the Bottom of the Pyramid- Skill building at this level, emphasized in Government's decision to set up a National Skill Development mission in the country, is extremely important. We may have the problem of low educational attainments at the entry level but let us spend money in organizing long induction &refresher courses for these entrants-it will pay immense dividends

7. With several new tech. developments coming up.IR should look into greater Rly-Industry-Academia consortium approach in R&D areas like power inversion, Computer Software controls, power supply issues.

Before I conclude, I would like to compliment the present generation of Rly-Metro Engineers, in the audience who have made it possible for IR to join the Billion ton loading club. Way back in early 90's we in Board felt very happy when we crossed the 500 Mt target loading after tremendous efforts & used to feel that job of future generations in Rlys will be extremely difficult for railways, to surpass these targets in a big way unless the network is substantially expanded. On the other hand I find Indian Railways have been steadily increasing loading, there has not been any substantial

new Route kms added except for some relief due to BG converted lines. I find GTKM handled on Elect Locos have increased from 9.2 Billion GTKM per RKM in 1992 to 20 Billion in 2011-12. The KMs per Elect .Loco failure has improved from 60000 km in 1992 to 375000 kms in 2011-12, a remarkable effort. It speaks volumes of very high of continuous improvements taken by IR on various fronts. Congratulations to you

Thank you

Excerpts from IEEE MGA SCOOP
(*since the last issue of e-newsletter*)

Visit the MGA News web page <http://www.ieee.org/societies_communities/geo_activities/mga_news.html> for the latest news articles, including:

* 2013 annual reporting and rebate requirements: due 31 March

* IEEE Graduates of the Last Decade (GOLD) transformation to IEEE Young Professionals

* New IEEE vTools features and enhancements

* Applauding 50 years of IEEE Fellows

* New IEEE Fellows online directory

* Engineers wanted: help organizations create apps to further their missions

Excerpts from IEEE Chapter Briefs - January/February 2014
(*as received on Feb 10, 2014*)

New Items:

2013 Annual Reporting and Rebate Requirements: Due 31 March

New IEEE vTools Features and Enhancements

Applauding 50 years of IEEE Fellows

New IEEE Fellows Online Directory

Newly Formed Chapters – July-December 2013

Resources:

How to Access Volunteer Content on IEEE.ORG

Society Chapters Listing Report

Inactive Chapters

Dissolved Chapters

vTools.Voting: Online Voting Tool Availability Reminder

Suggested Campaigns for Membership Growth-Recovering Former Society Members

IEEE Distinguished Lecturer Program Page Published

New Member Orientation Webinars

Order an IEEE Membership Development Kit

Boost Membership with the IEEE Conference Member Recruitment Program

Ongoing Information:

IEEE Geographic Unit Officer Term Limits

Society Officer Access to L31 Reports

IEEE Geographic Unit Officer Reporting Process

How to Publicize Your Society Chapter Programs and Activities in ieee.org

Required Geographic Unit Compliance

Call for nominations: IEEE Fellow Class of 2015: deadline 1 March

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

IEEE Delhi Section has as per **January 2014** statistics **5347 active Members** (*excluding Affiliates belonging to the Societies only*), consisting of
62 Associate Member,
7 Fellow,
539 Graduate Student Member,
2 Honorary Member,
5 Life Fellow,
6 Life Member,
21 Life Senior,
1150 Member,
190 Senior Member,
3365 Student Member.

◆IEEE

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March-April 2014

From the desk of ECC

My dear esteemed Members,
With AGM of Section and its few Society Chapters / Affinity Groups held, you will find in this edition of Section e-newsletter an update with the corresponding Minutes of Meetings as reported. In addition have a look on the upcoming big events, like, Conferences in the section jurisdiction to take benefit of the same, besides the usual features appearing in the rest of the text.

With best regards and wishes,

(Dr. Subrata Mukhopadhyay)
IEEE Delhi Section
April 29, 2014 (*Tuesday*)

New Delhi
E-mail: ieeedelhi@ieee.org
Web-site: www.ewh.ieee.org/r10/delhi

Schedule of Lecture(s)

Surf IEEE vTools Meeting System (https://meetings.vtools.ieee.org/main),
then login with User Name and Password, and View Existing Meetings / View Published Meetings
(https://meetings.vtools.ieee.org/meeting_view/list) for the Upcoming Meetings in respect of IEEE Delhi Section and its Society Chapters / Affinity Groups.

List of IEEE Conferences in the geographic area covered by the IEEE Delhi Section (including area under contiguous Section) to go in 2014
(http://ewh.ieee.org/r10/delhi/event.html)

2014 Recent Advances and Innovations in Engineering (ICRAIE)
(http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33681)
being organized by Poornima University, EXT. Ramchandarpura Industrial Area, Sitapura, Jaipur, & Poornima College of Engineering, ISI-6, RICCO Institutional Area, Sitapura, Jaipur, Rajasthan, India from May 9 to 11 (Friday to Sunday), 2014 (http://icraie.poornima.org/)

International Conference on Signal Propagation and Computer Technology 2014 (ICSPCT 2014)
(http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33295)
being organized by Govt. Engineering College, Ajmer, Rajasthan, India on July 12 and 13, 2014 (icspct2014.in)

2014 International Conference on Data Mining and Intelligent Computing (ICDMIC)
(http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33840)
being organized by Indira Gandhi Delhi Technical University for Women (IGDTUW),

Kashmere Gate, Delhi, India on September 5 and 6, 2014 (http://igit.ac.in/ICDMIC-2014/index.html)

3rd International Conference on Parallel, Distributed and Grid Computing (PDGC-2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33468) being organized by Jaypee University of Information Technology, Waknaghat Solan, Himachal Pradesh, India from December 11 to 13, 2014 (http://juit.ac.in/pdgc-2014/index1.php)

In the pipeline are those slated in 2014 as per Section approval on submitted proposal, namely –
2nd International Conference on Machine Intelligence Research and Advancement (ICMIRA 2014) - IEEE Conference Record # 34062 being organized by Shri Mata Vaishno Devi (SMVD) University, Katra - 182320, J & K, India from Nov 29 to Dec 01, 2014 (http://icmira.com/)
Note: *Making of MOU is held up as Conference Organizers are yet to furnish approval of Shri Mata Vaishno Devi (SMVD) University, Katra - 182320, J & K, India, the not-for-profit (Financial) Sponsor.*

6th IEEE POWER INDIA International Conference 2014 (PIICONF 2014) - IEEE Conference Record # 34084 being organized by IEEE PES-IAS Delhi Chapter & IEEE PELS-IES Delhi Chapter at LE-Meridian, Connaught Place, Delhi / DTU from Dec 5 to 7, 2014
(http://ewh.ieee.org/r10/delhi/piconf.htm)

6th IEEE India International Conference on Power Electronics 2014 (IICPE 2014) - IEEE Conference Record # 34449 being organized by IEEE PELS-IES Delhi Chapter & IEEE PES-IAS Delhi Chapter at National institute of Technology (NIT) Kurukshetra, Haryana, India from Dec 11 to 13, 2014 (http://ewh.ieee.org/r10/delhi/iicpe.htm)

April 24, 2014

Call for Contribution to BEACON - Delhi Section's Journal

Dear All

Articles relevant to all IEEE areas are invited for inclusion in the next issue of BEACON - IEEE Delhi Section's Journal. Please ensure IEEE style, maximum length 6 pages (A4 size) including pictures and diagrams (if any). The top of the article must have the title, author(s) name(s) with affiliation(s), Abstract (100 words) and key words (not more than 5). The article can be submitted to the Chair of Publications and Public Relations Standing Committee, Mr. Daman Dev Sood at damandev.sood@ieee.org by 31st May 2014. Preference (for this issue) will be given to articles received from the Student members.

A sample of BEACON issue and articles can be viewed at http://www.ieeebeacon.com/ .

""""""""

Thanks & Regards,
Daman Dev Sood
COO, City Innovates Group and Director, City Edu Hub
W. www.cityinnovates.com **E**. damansood@cityinnovates.com
T. +91 124 410 7637 **P**. +91 124 416 4516 **M**. +91 8750123355

Information on signing of MOU between IEEMA and IEEE on Feb 26, 2014
at the Imperial Hotel, New Delhi
The MoU is between IEEE (not IEEE Standards Association only) and IEEMA that includes cooperation of all the Societies. So a separate MoU may not be required from IEEE IAS. The IEEE Standards Association Managing Director, Konstantinos Karachalios signed the MoU on behalf of IEEE (as he is part of the IEEE management council) and from IEEMA its Director General Sunil Mishra. The engagement with IEEMA is inclusive of all IEEE Organizational Units and Societies. Proposal on the conference on

Smart Electricity is being discussed within PES, ComSoc and CS. However the Conference Organizers are keen on including PELS and IAS also to be part of this conference to support it. Hence it may be discussed with IAS President.

The MoU itself is a "very broad" general cooperation agreement between the two organizations. The organizations will work together in identifying and implementing the specific projects/programs that adhere to these objectives. These activities were also highlighted after the objectives were announced, as given below.

As per the MoU the objectives are:

IEEE and IEEMA have the common objective to perform and promote, directly or indirectly on various initiatives that include skills development in the electrical sector, capacity building, and regional and global standardization.

IEEE and IEEMA have a reciprocal interest in gaining knowledge about the activities of the other organization, which may facilitate cooperation on items of common interest. IEEE and IEEMA have noted the necessity of structuring and strengthening their relationship and fostering a closer cooperation.

1. Encourage communication between the two organizations

2. Joint collaboration in conducting key events and workshops in India

3. Facilitate liaisons between each other's technical groups and other cooperation where possible

4. Partnership between the two organizations to enable skills development in the area of electrical engineering

In line with the above objectives

announcement was made for 3 programs at the events.

1. INTELECT 2015 along with a co-hosted IEEE International Conference on Smart Electricity for Emerging Markets (proposed name)
2. Srinivasa Ramanujan memorial lecture series to be held annually
3. Utility Lecture series

Minutes of AGM of IEEE Delhi Section held on Feb 23, 2014 (Sunday)

Time: 10:00 am

Venue: Seminar Hall, Main Building, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016.

1. Pof. Bhim Singh, Chair-IEEE Delhi Section welcomed the members and the guests present and declared the meeting open. He delivered chairperson's brief address and highlighted the main achievements of the Section during 2013. He informed the members that Delhi section membership has grown over 5700. He also informed the members that over 200 conferences and seminars/ technical activities/administrative/professional were held during 2013. He thanked and congratulated the members who received awards/recognitions from the IEEE during the last year.

2. The Minutes of the last AGM held on 3rd Feb, 2013 were presented and approved (proposed by Dr. R. G. Gupta and seconded by Dr. K.Subhramanian).

3. Dr. Prerna Gaur Secretary of the Section read the Secretary's report, which was approved by AGM (proposed by Mr. V. K. Gupta and seconded by Mr. Arup Roy). The report is attached as Annexure-I.

4. The treasurer of the Section, Dr. Rachana Garg, presented the accounts for the year 2013. The following observations were made:
  ▪ It was pointed out that IHC card should be handed over to the current Chair by the Past Chair Dr V R Singh.

  The financial report was approved by the AGM (proposed by Prof Mini S Thomas and seconded by Dr. R.G.Gupta). The report is attached as Annexure-II.

5. Prof. Dharmraja of IIT Delhi was appointed as the internal auditor for the IEEE Delhi Section.

6. The prizes and awards were distributed to student volunteers and branch counsellors.

7. Prof. Shiban K Koul, Chair, Nomination Committee (with Members, Prof. Shivgaonkar and Prof. Subrata Mukhopadhyay) announced the slate for Section Executive Committee for the year 2014 as follows:

Position   Name   Affiliation
1. **Chairperson** Prof. Bhim Singh, IIT-D
2. **Exec Vice Chairperson** Prof. Mini S. Thomas, JMI
3. **Vice Chairperson** Dr. K. Subramanian, ex-NIC
4. **Secretary** Dr. Prerna Gaur, NSIT
5. **Jt. Secretary** Mr. Ravindra Joshi. Tata Power Delhi Distribution Ltd.
6. **Treasurer** Dr. Rachana Garg, DTU
7. **Past Chairperson** Prof. Siban K. Koul, IIT-D
8 **Member** Dr Vishnu Srivatava, CSIR
9. **Member** Dr. Deepak Garg, Thapar Univ., Patiala
10. **Member** Mr. Vijay Dutt, ex-Rlys.

11. **Member** Dr. Alka Singh, DTU
12 **Member** Prof. Abdul Q. Ansari, JMI
13. **Member** Prof M N Hoda, BVICAM
14. **Member** Dr. Shabana Urooj, GBU-

G.Noida
15. **Member** Mr. Rajendra K. Asthana, ex-BHEL
16. **Member (GOLD)** Mr. Imran Ali, ex-JMI

8. The nomination committee for the year 2013-2014 was constituted as per the following:
  Prof. Shiban K. Koul   IIT-Delhi as Chair,
  Prof. R. K. Shevgaonkar,
      IIT-Delhi as Member
  Prof. Subrata Mukhopadhyay
      GTBIT as Member

9. All the following Award winning volunteers of Delhi Section were felicitated in the AGM.
  • Prof Siban K Koul The Distinguished Educator Award recognizes a distinguished educator (IEEE MTT-S member) in the field of microwave engineering and science who best exemplifies the special human qualities of Fred Rosenbaum, who considered teaching a high calling and demonstrated his dedication to the Society through tireless service.
  • Prof. Mini S Thomas 2013 MGA Larry K. Wilson Transnational Award For outstanding innovation and leadership
  • Er V K Agarwal, *Executive Director, Power System Operation Corporation Limited recipient of* IEEE PES-IAS Delhi Section Outstanding Engineer Award
  • Dr Sukumar Mishra, Recipient of IEEE PES Outstanding Chapter and High performance Award
  • Prof .Mridula Gupta, Recipient of Region 10 Chapter of the Year Award -2013 to the IEEE Electron Devices Society of Delhi Section.
  • Dr Prerna Gaur, Recipient of IEEE PELS Outstanding Chapter and Award as Chair of IEEE PELS-IES Delhi Chapter.

- Dr Maneesha Gupta, Global Inst. of Tech. Outstanding Branch Counselor Award
- Dr. Sanjeev Kumar, Amity School of Engineering and Technology for the Outstanding Branch Counselor Award

10. In all 136 members (Members=73, Student Members=56 and Special Invitees=7) attended the AGM.

11. The Treasurer, Dr. Rachana Garg, proposed a 'vote of thanks' and the meeting ended with thanks to the Chair.

12. Various Chapters and Affinity Groups held their AGMs before Lunch.

Annexure-I

ANNUAL REPORT IEEE DELHI CHAPTER

2013

IEEE Delhi Section is among the fastest growing in IEEE. Our strength as on Dec'2013 was 5,178 and in February it is 5800 with Affiliate25, Associate Member 60, Fellow7, Graduate Student Member 569, Honorary Member 2, Life Fellow 5, Life Member 6, Life Senior 21, Member 1174, Senior Member 190, and Student Member count on Feb'2014 is 3674. In just preceding three years, we have nearly doubled our membership. Ours is now one of the largest section among the approximately 330 IEEE Sections in IEEE with 13 society chapters 3 affinity groups and 106 student branch and branch chapters. Our Section is obviously thriving. Our leaders understand that the role of IEEE is to help technologists do their jobs well. And our growing membership surely indicates success in that mission. I note that education and professional development are important priorities in Section activities. I commend you for that and encourage you to expand those kinds of

programs further. Engineering students of today, the engineers of the 21st century, will surely shape our future quality-of-life just as their predecessors have done for the past century or more. We need to support them, encourage them, and challenge them to be creative and innovative.

The activity report:
Section organized total of around 200 activities comprising of technical, professional, administrative and non-technical meetings in the year 2013. These include lectures by several Society chapters and distinguished lecturers as well. Many Distinguished Lecture were organized in the year 2013, such as IEEE PELS_IES in association with IEEE PES-IAS organized Distinguished Lecture by Dr. Kalyan K Sen on 30th Oct'2013.on the topic of "SMART Power Flow Controller for Smart Grid Applications". IEEE CASS Distinguished Lecture on "Nonlinear Adaptive Algorithms and Applications" and IEEE-EDS also organized Distinguished Lecturer.

17th Thomas Alva Edison Memorial Lecture was delivered by Prof. Saifur Rahman, Director, ARI, Virginia Tech, National Capital Region, and Arlington, VA, USA. IEEE CASS Distinguished Lecture was also organized in Chandigarh subsection. Late Mr. R K Vir Memorial Event was organized on 4th January between 5 to 7 pm at Institute of Railway Transport, National Museum Chanakya Puri.

IEEE MTT-S Delhi Chapter organized an International Conference on 15th Dec. at Hilton Hotel, Nehru Place.in which a number of dignitaries including Director, Washington museum was present. One member of the Section had been sponsored to attend the conference. Apart from this, a number of International conferences were organized in the section.

Women in Engineering (WIE) and The Young Professionals affinity groups organized several activities during the year 2013. The WIE Affinity groups at BVCOE, MSIT, NSIT, GBU, ASET and DTU have been

quite active. The groups organized workshops on personality development, computer training programs, and science workshops for children of weaker sections. A number of Industrial visits were organized by section students. The Chairperson of the Young Professionals, Siddi Jai Prakash had conducted several meetings for the benefit of members under the Section, apart from coordinating with SB Chairs to organize a plethora of events.

This year being vibrant throughout the year we observed several awards coming to the Section members. IEEE PES High Performing Chapter Award and outstanding Chapter award to IEEE PES-IAS Delhi Chapter; IEEE PELS-IES Delhi Chapter also received outstanding Chapter award from IEEE PELS in the year 2013. IEEE EDS Chapter also won Region 10 Chapter of the Year Award - 2013 to the IEEE Electron Devices Society of Delhi Section.

Prof. Shiban K Koul is awarded-The Distinguished Educator Award recognizes a distinguished educator (IEEE MTT-S member) in the field of microwave engineering and science who best exemplifies the special human qualities of Fred Rosenbaum, who considered teaching a high calling and demonstrated his dedication to the Society through tireless service.

Prof. Mini Thomas won 2013 MGA Larry K. Wilson Transnational Award For outstanding innovation and leadership in IEEE member and student member development and engagement, global dissemination of the IEEE ,message, and collaboration across organizational units.

This year Region 10 awarded Dr.Manisha Gupta, Global Inst. of Tech. and Dr. Sanjeev Kumar, Amity School of Engg. and Technology with the Outstanding Branch Counselor Award.

Student Enterprise Award, was offered to Dr. Prerna Gaur, NSIT, Delhi, and Mr. Lovendra Solanki from BK Birla Institute of Eng Tech, Pilani .

Students and GOLD members were financially sponsored to attend the R10 SWG at Hyderabad and All India Student Congress 2013 which was held in Oct'2013 in Coimbatore. IEEE President-Elect Dr. Roberto De Marca visited Delhi on 14th of July to meet the Execom.

We look forward to seeing another year of dynamic growth and achievements in the Delhi Section. We admire the energy of the membership, the passion we bring to the work, the dedication we have demonstrated in advancing technology for the benefit of the people of Delhi Section, India, Region 10, and the world.
Best wishes for 2014.

Grades	2011	2012	2013	Feb 2014
Affiliate	26	37	24	25
Associate Member	61	77	61	60
Fellow	7	7	7	7
Graduate Student Member	351	470	499	569
Honorary Member	3	3	2	2
Life Fellow	3	4	5	5
Life Member	5	5	6	6
Life Senior	15	17	21	21
Member	1109	1168	1134	1174
Senior Member	175	169	192	190
Student Member	2894	3200	3222	3674
Total	4649	5128	5173	5733

Dr. Prerna Gaur,
Secretary, IEEE Delhi Section 2013

Annexure-II

IEEE Delhi Section Financial Report for the year 2013

Receipts

Item/ Head	2013	2012	2011
Opening Balance :-			
SBI IIT Delhi	1,421,014.77	1,139,252.95	1,079,123.36
Cash in hand	1,000.00	0.00	4,663.00
			3,000.00
Stale Cheques	11,500.00		
Contributions			
Sponsorships^ for HTC and Beacon(In 2013 for HTC only)	106,390.00	55,000.00	30,000.00
Sponsorships^ for PES chapter	18,000.00		
Sponsorships for national conf	31,978.00		
Sponsorships^ for IICPE2012	176,400.00	50,000.00	
Head quarter Rebate for			
Section & Chapters	1,337,384.00	1,173,682.02	893,770.00
MTT Delhi Chapter HQ		55,619.60	51,610.00
MTTstudent Chapter IITD HQ		66743.52	
Section Growth Incentive		22,837.00	
Surplus from Workshops			
Other receipts			
PES Chapter Funding - PES Student Branch, New Delhi		21,800.00	
R10 WIE Affinity Group of the Year Award - Delhi Section WIE		13,625.00	
R10 Award website ontest- ASET		27,250.00	
Bank Interest	38,419.00	40,018.00	37,147.00
WIE grant	26,002.30	14,401.00	36,016.00
senior member rebate $100		4,860.00	
PES chapter award	124,455.00		
WRAP2013	250,160.00		
Education society-best chapter(IC)	62,540.00		
R10 SAC GINI Delhi Section rebooting		7,194.00	
2013 sscs Extra ch funding low power conference	184,170.00		
AES organisational funding(IC)	18,417.00		
Student Branches(award+support)	172,722.80		
Program Revenue			
Educational activities			
Seed Money - IACC'10 Refund			
Loans and Advances Repaid *			61,604.00
Conference - Workshops			
Member Subscription			
Refund from Chapters			
Total	**3,980,552.87**	**2,692,283.09**	**2,196,933.36**

Disbursements

S.N.	Item/ Head	2013	2012	2011
1.	Meetings (Tech. & Admin)	107,015.00	117,104.00	70,625.00
2	AGM Expense	248,454.00	248,777.00	144,195.00
3.	Publication Expenses		52,975.00	45,000.00
4.	Conference Expenses R10 SC/AISC/INDICON	76,639.00	62,875.00	44,000.00
5.	Educational Activities/ GINI		5,000.00	13,000.00
6.	Professional Activities (DL Etc.)	7,160.00		73,739.00
7.	WRAP2013	250,160.00		
8.	Conf money reverted to Computer society	410,978.00		
9.	Student Activities	561,644.80	374,243.52	281,981.00
10.	Conference iicpe2012	176,400.00	50,000.00	
11.	Membership Dev. & Nomination / Award	40,008.24	34,642.80	40,639.41
12.	**Support To Chapters/ council**	**587,751.50**	**280,644.00**	**212,307.00**
	DL by Comm. Soc. Chapter		21,000.00	
	PES-IAS/PELS-IES (for 3 Yrs each) (In 2013 2yr fund+spon+award)	186,455.00		56,000.00
	Consultants Network Affinity group	11,000.00	10,000.00	4,620.00
	Comm. Soc. Chapter	12,278.00	10,000.00	10,000.00
	Computer Soc. Chapter	11,000.00	12,000.00	20,000.00
	CAS-Control /CIS Chapter(In 2013 CAS only)	11,000.00	14,525.00	10,000.00
	WIE Affinity Group	49,442.00	47,500.00	8,954.00
	HTC Events (In 2013 annual fund+spon+sanction from HQ)	151,390.00	80,000.00	58,733.00
	MTT-S Chapter Colequlam & Award sharing		65,619.00	34,000.00
	MTT-S Chapter(Annual fund+adv for conf)	76,882.25		
	Computational Intelligence society chapter	17,040.00		
	Education society	7,500.00		
	EDS chapter	16,882.25		
	IMS-EMBS Chapter	16,882.00	10,000.00	10,000.00
	TMS Chapter	20,000.00	10,000.00	
13	AES (IC)	18,417.00		
14	Legal&Professional charges (CA fees for IT and utilization certificate)	41,246.00		
15	Office Expenses(In 2013 IHC membership+stationary+President visit)	36,209.30	30,477.00	23,303.00
16.	Bank Charges	500.00	780.00	1,768.00
17.	Electronic communications	20,514.00	11,000.00	
18.	Section Congress			80,464.00
19.	GOLD Affinity Group	26,724.00	1,750.00	26,659.00
20.	**Closing Balance :-**			
	SBI IIT Delhi	1,370,732.03	1,421,014.77	1,139,252.95
	Cash in Hand	0.00	1,000.00	0.00
	Total	**3,980,552.87**	**2,692,283.09**	**2,196,933.36**

Sukumar Mishra (Auditor)   Rachana Garg (Treasurer)

Date: 24-02-2014

IEEE DLEHI SECTION ; TECHNOLOGY MAGAMENT COUNCIL –CHAPTER

Minutes of Annual General Body Meeting 2014

AGM 2014 of TMC Chapter Delhi held at IIT Delhi on 23/02/2014.

Present:
- Dr. K. Subramanian Chairman TMC Chapter
- Mr. H. L. Bajaj
- Mr. P. V. Ekande

- Mr. V. K. Gupta
- Mr. Ravi K. Aggarwal
- Prof. P.K.Mishra
- Dr. OM Vikas

1. Dr. K. Subramanian Chapter Chair welcome the members present and gave brief
   Outlining the major activities and thanked for support given for the same.
2. He further mentioned that Mr.Mahendra Kumar Sec.& Treasurer who could not attend the AGM due to family reasons, has sent e-mail Attaching a copy of bank pass-book for credits & debits ,the same being sent to the Section Treasurer for further use.
3. Chapter Chair proposed slate for EXECOM 2012 in consultation with Seniors, as below:

   Mr. P. V. Ekande   Chairman
   Mr. V. K. Dutt   Vice Chairman
   Dr. K. Subramanian   Past Chairman
   Mr. Mahendra Kumar   Secretary & Treasurer *
   Mr. Ravi K. Aggarwal Member

   * It was decided that since Mr.Mahedra Kumar of Indian Railways is very busy hence Mr. V. K. Dutt and Mr. Mahedra Kumar will propose member from IR as Secretary.
   The above slate was approved.

4. It was decided that at least five Technical Programs including on conference will be organized besides administrative Meetings.
5. The meeting was concluded with vote of thanks by Mr. P. V. Ekande

(P.V.EKANDE)
Chairman TMC Chapter Delhi

March 07, 2014

Minutes of AGM 2014 of Consultants Network Affinity Group of IEEE Delhi Section

The Annual General Meeting (AGM) was held at IIT,Delhi, at 1230 Hours on February 23, 2013 (Sunday), in presence of the following members of IEEE Delhi Section:

1. Dr Subrata Mukhopadhyay
2. Dr Bhim Singh
3. Dr. K. Subramanian
4. Mr. H.L. Bajaj
5. Mr Ravi K Aggarwal

The following points were discussed / resolved:

I. Chairperson Mr. Ravi K. Aggarwal welcomed the members present and initiated the meeting as per items on agenda ad seriatim.

II. Minutes of last AGM held on February 03, 2013 were confirmed as proposed by Dr Subrata Mukhopadhyay and seconded by Dr Bhim Singh.

III. New Exec Com of the Affinity Group for the year 2014 was constituted with the following in position:

1. Mr. Ravi K Aggarwal (Doosan) – Chairperson
2. Dr. V. K. Chandna (ITS, Noida) – Secretary-cum-Treasurer
3. Dr Subrata Mukhopadhyay (GTBIT) – Past Chair
4. Dr Bhim Singh (IITD) – Member
5. Mr. Daman Dev Sood (Continuity & Resilience) – Member
6. Dr. Sukumar Mishra (IITD)-Member
7. Dr. K. Subramanian (Ex-IGNOU)-Member
8. Mr. R.K. Asthana (Ex-BHEL)-Member

This slate was proposed by Mr. H.L. Bajaj and seconded by Dr. K. Subramanian.

IV. For the calendar year 2014, it was decided to carry out a number of round-table discussions and a major Conference.

Tentative topics are as given below:

1. Patent Laws
2. Accreditation Process
3. Engineering Education
4. Power Systems Operation
5. Communication Protocols

V. It was proposed that a joint conference with IEEE Education Society and Technology Management Council Chapters on "E-Learning' be held in August / September 2014 at IHC or IIC.

VI. The meeting concluded with Vote of Thanks proposed by Dr. V. K. Chandna, Secretary-cum-Treasurer.

Dr. V.K. Chandra
Secretary-cum-Treasurer,
Consultants Network Affinity Group
IEEE Delhi Section

Circulated to Members of Consultants Network Affinity Group

March 08, 2014

Slate for WIE Delhi Section

1. Dr. Prerna Gaur, Chair
2. Dr. Neeta Pandey, Secretary
3. Dr. Shabana Urooj, Jt. Secretary
4. Dr. Rachana Garg, Past Chair
5. Dr. Mini S. Thomas, Member
6. Dr. Rajeshwari Pandey, Member
7. Dr. S. Indu, Member
8. Dr. Mridula, Co-opted member
9. Student member from NSIT-Bhawana Gupta
10. Student member from IGIT-A. Bindra
11. Student Member from .MSIT- Chetna Sharma

Dr. Prerna Gaur
Chairperson, WIE, IEEE Delhi Section

Minutes of the IEEE PELS-IES Delhi Chapter Annual General Meeting

No. PELS-IES-Delhi-2014-001

February 23, 2014

1. A warm welcome was extended to all the members of the PELS-IES Delhi Chapter by the Chapter Chair.
2. The minutes of the last AGM was proposed by Prof. Sukumar Mishra and seconded by Prof. A.P. Mittal and it was confirmed.
3. The activity report for the year 2013 was presented by Mr. JBV Reddy and has been attached herewith.
4. The Income-expenditure statement for the year 2013 was presented by Dr. Ashu Verma. This was proposed by Prof. Sukumar Mishra and seconded by Dr. Ravinder Joshi.
5. Prof. G. Bhuvaneswari, Chair Nomination committee declared the slate for the next year (2014) for the execom of PELS-IES Delhi Chapter as under:

SNo.	Position	Name	Organization
1.	Chairperson	Dr. Prerna Gaur	NSIT, Delhi
2.	Secretary	Mr. J. B. V. Reddy	DST, Delhi
3.	Treasurer	Dr. Ashu Verma	IIT-Delhi
4.	Past-Chair	Dr. Bhuvaneswari Gurumoorthy	IIT- Delhi
5.	Member	Prof. Madhusudan Singh	DTU, Delhi
6.	Member	Prof. Sukumar Mishra	IIT- Delhi
7.	Member	Dr. Vishal Verma	DTU, Delhi
8.	Member	Dr. Radheshyam Saha	CEA Delhi
9.	Member (GOLD)	Mr. Chinmay Jain	IIT- Delhi
10.	Member	Prof. Bhim Singh, Past Chair	IIT- Delhi
11.	Member	Prof. Subrata Mukhopadhyay, Past Secretary	GTBIT, Delhi
12.	Member	Dr. R.S. Bhatia	NIT, Kurukstetra

6. The IEEE PES-IAS Delhi Chapter will cosponsored two conferences – India International Conference on Power Electronics, IICPE2014, Dec.2014 at NIT Kurushetra and POWER India Conference, Dec.2014 at DTU/ Le Meridian.
7. The chapter is the recipient of IEEE PELS Outstanding Chapter Awards.
8. It was decided that the following activities should be taken up: (a) Technical lectures by distinguished speakers should be arranged in IIT, NSIT, DCE and JMI (b) Many industrial visits should be arranged for students in these institutions. (c) GOLD activities should be encouraged.
9. It was observed that for membership development of IEEE PELS-IES Delhi Chapter the following steps are required to be taken: (a) Membership drive should be taken up to encourage the enrollment in the Chapter at every institute level (b) Steps are to be taken up to elevate all eligible members in PELS and IES to Senior Member grade. This year also such efforts have been done. (c) Student members should be encouraged to join IEEE.

The meeting ended with vote of thanks to the Chair.

JBV Reddy
Secretary, IEEE PELS-IES Delhi Chapter

Distribution: To all the members of IEEE PELS-IES Delhi Chapter

Minutes of IEEE PES-IAS Delhi Chapter Annual General Meeting (Held on 23rd Feb 2014)

The Annual General Meeting (AGM) of IEEE PES-IAS Delhi Chapter was held on 23rd Feb 2014 (Sunday) at 12.30 pm at Seminar Hall, IIT Delhi. It was attended by 16 members.

The minutes of the meeting are as follows:

1. Address by the Chapter Chairperson

In his address, Prof. Sukumar Mishra, Chair, IEEE PES-IAS Chapter, welcomed the members present in the AGM and informed that the year 2013 had been an eventful year with as many as 42 activities. The membership of the PES chapter grew in 2013. The PES chapter has received the Outstanding Chapter Award for large chapters and High performing chapter award for 2012 program year and IAS Continued Outstanding Performance Large Chapter Award and 2nd Prize 2013 IAS Chapter Web Contest. He thanked the execom members for their support and cooperation.

2. Confirmation of minutes of the last AGM held on February 3rd 2013

The minutes of the last AGM held on Feb. 3rd 2013 were approved as proposed by Prof. S. Mukhopadhyay and seconded by Prof. B.P.Singh.

3. Presentation of Activity by the Secretary

Dr. Rachana Garg, Secretary, IEEE PES-IAS Delhi chapter presented the secretary's report. She made a detailed presentation of the activities of the chapter during the year 2013. In 2013, chapter conducted a total of 42 activities, out of which 33 were technical, 6 were administrative and 3 were professional. The outstanding chapter engineer award for 2013 was given to Mr. V. K. Agrawal, Executive Director, POSOCO, PGCIL, India for outstanding research contributions in Power systems. Thomas Alva Edison memorial lecture was delivered on 20th Aug, 2013 at JMI by Prof. Saifur Rahman.

The IEEE PES-IAS Delhi Chapter will cosponsored two conferences – India International Conference on Power Electronics, IICPE2014, Dec.2014 at NIT Kurushetra and POWER India Conference, Dec.2014 at DTU/ LeMeridian. The chapter is the recipient of IEEE PES Outstanding

Chapter Awards for Large Chapters for the 2012 program year, IAS Continued Outstanding Performance Large Chapter Award and 2nd Prize 2013 IAS Chapter Web Contest. The report was approved as proposed by Prof. Bhim Singh and seconded by Mr. Ravindra Joshi.

4. Presentation of Financial Report by the Treasurer

Dr. Ashu Verma, Treasurer of the chapter, presented the financial report for the year 2013. The statement of accounts was accepted as proposed by Prof. B. P. Singh and seconded by Mr. P. V. Ekande.

5. Election of Executive Committee for the year 2014

The Nomination Committee chair, Prof. Mini S.Thomas recommended the following slate of IEEE PES-IAS Delhi Chapter Executive Committee for the year 2014.

1. Chairperson, Dr. Sukumar Mishra, IIT-D
2. Secretary, Dr. Rachana Garg, DTU
3. Treasurer, Dr. Ashu Verma, IIT-D
4. Past-Chairperson, Prof. Mini S. Thomas, JMI
5. Member, Prof. Ratna Dahiya, NIT Kurushetra
6. Member, Mr. Ravindra Joshi, NDPL
7. Member, Mr. Ravi Agrawal
8. Member, Dr. Bharat Singh Rajpurohit, IIT-HP-Mandi
9. Member, (GOLD), Mr. Chinmay Jain, IIT-D

The slate was accepted as proposed by Mr. H. L.Bajaj and seconded by Prof. Bhim Singh. It was also suggested that all the past chairs should be the coopted members.

The Chair, Dr, Sukumar Mishra thanked the Nomination Committee for selecting the new Execom. He informed that about 30% of the Section's activities are contributed by the chapter and assured that the chapter will keep pace with last year's activities.

Meeting ended with a vote of thanks to the Chair.

Prof. Sukumar Mishra (Chair)
Dr. Rachana Garg (Secretary)

Report of International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT 2014) (IEEE Conference Catalog: 32494)

Krishna Institute of Engineering and Technology, Ghaziabad INDIA organized a two days **International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT 2014)** on Feb. 7-8, 2014. **This conference was technically sponsored by IEEE-Delhi Section and IEEE – CIS Chapter (Delhi Section).**

Dr. Narayanan K., **Dean – Faculty of Computer Science and Information technology**, **Universiti Malaysia Sarawak (UNIMAS)**, **Malaysia** was the **Chief Guest**, while **Dr. Nikhil R. Pal from Indian Statistical Institute**, **Kolkata and Mr Suneel Wattal**, **Country Manager**, **IBM India** were the **Guests of Honor**. Chairman, KIET Group of Institutions, Sh M P Jain, Advisor – KIET Group of Institutions, Dr S P Mishra and Director, KIET, Dr Narendra Kumar were also present. Conference Report was presented by Dr Arun Sharma, General Chair – ICICT. Dr Anil Ahlawat, Publication Chair welcomed all the Guests and Participants. Prof. Adesh Pandey, Program Chair presented the Vote of Thanks.

Following Key Note Addresses were organized during the two days event:

1.   Land Use Classification by using Fuzzy Clustering by Dr. N R Pal (ISI, Kolkata)

2.   Social Mining by Dr Narayanan K. (Universiti Malaysia Sarawak, Malaysia)

3.   Neutrosophic Computing by Dr A Q Ansari (Jamia Millia Islamia, New Delhi)

Total **155** papers were presented by the authors from various parts of the Country and abroad in 9 technical sessions. These sessions were chaired by the senior academicians from reputed Universities and Institutions including:

1.   Dr D K Lobiyal, JNU, New Delhi
2.   Dr. Devendra Tayal, IGIT University for Women, New Delhi
3.   Dr V P Vishwakarma, GGSIPU, New Delhi
4.   Dr Rajesh Kumar, Thapar University, Patiala
5.   Dr. O P Sangwan, GJU, Hisar
6.   Dr Brahmjit Singh, NIT Kurukshetra
7.   Dr Shabana Urooj, GBU, Gr. Noida
8.   Dr A Q Ansari, JMI, New Delhi
9.   Prof. Shashi Bhushan, Director – SOCIS, IGNOU, New Delhi

Some of the guests from academia and industry were also present:

1.   Mr Anuj Aggarwal, Director, NTT data, USA
2.   Mr Ajay Gupta, Project manager, IBM India
3.   Dr. S C Bhatia, Fellow CSI
4.   Dr. R K Aggarwal, Director- AKGEC, Ghaziabad
5.   Dr. Daatey, Director – KEC, Ghaziabad
6.   Dr. Somesekharan, Director – RKGIT, Ghaziabad
7.   Dr. Neeta Awasthi, Director – RKGITW, Ghaziabad
8.   Prof. B M Kalra, HoD – CSE, AKGEC, Ghaziabad
9.   Dr Avadhesh Kumar, Dean, Galgotias University, Gr. Noida
10. Mr. Shailesh Sonone, Scientist, DRDO, Bangalore

The conference concluded on 8th Feb, 2014 with the Valedictory Function, chaired by Dr Narendra Kumar, Director – KIET.

**IEEE SB, JMI:
A Visit to STMicroelectronics – A report**

Electronics engineer students manage to get very little industrial exposure while at school. A trip to the Chip-Testing Lab at the Design Center of STMicroelectronics Pvt. Ltd. In Greater Noida, India, provided the students of Jamia Millia Islamia, New Delhi, with an opportunity to obtain such an exposure.

The visit was organized by the IEEE Student Branch at Jamia Millia Islamia on 7th April 2014. In all, 31 students visited the facility of which 28 were B.Tech. Electronics and Communication engineering students, and 3 were B.Tech. Electrical Engineering students, almost all of which were IEEE student members. The students were accompanied by Ms. Amber Khan, Assistant Professor at Jamia Millia Islamia, for the short trip.

On reaching the lab, the students were greeted by Mr. Janit Kumar, who very cordially welcomed all to the facility and briefed them about what all STMicroelectronics does in general, and the

operations carried out at the Greater Noida design center of STMicroelectronics. The group was then split into two smaller groups for the tour.

The Greater Noida facility of STMicroelectronics, nearly 22 years old now, is one of the largest design centers in the world of the largest semiconductor chip making company in Europe, outside Europe. It specializes in making high value intellectual property (IP), System-on-chip (SoC) embedded software for end-applications, home-video products, mobile chips, Wireless LAN chips, and accompanying software. The company hosts around 2000 employees now, most of them being design engineers.

The students were walked through the lab, the employee at each test bench briefing the students about the equipment, test boards, software, peripherals and methods used for the different types of semiconductor chips that the engineers used. These included the High Speed I/O,

the D-Phy/M-Phy, the Thermal Sensor, the PLL, the USB, the HDMI, and a host of other test benches. Techniques used in microelectronic design such as designing a circuit board using software, and programmable as well as manual soldering on boards were also demonstrated. The staff was very amiable and each engineer tried his best to clear the doubts of the next-generation of electronics engineers, albeit still in their budding stage.

After the tour students headed to the canteen for refreshments. The trip ended with the clicking of group photographs outside the ST campus. The trip also gave everyone insight into how life is at a semiconductor giant.

A Visit to the Ballabgarh Substation – A Report

Practical application of what all is taught forms an indispensable part for an engineering student's life. A visit to the Ballabgarh substation attempted to serve this purpose for the students of the Faculty of Engineering and Technology at Jamia Millia Islamia, New Delhi.

The visit was organized by the IEEE-PES Chapter at Jamia Millia Islamia on February 13, 2014. In all, 42 students registered themselves for the visit of which 24 were B.Tech. students, 13 were M.Tech. Students and 5 were Ph.D. students. Of the 24 B.Tech. students 13 were IEEE members. The students were accompanied by Dr. Mini S. Thomas who serves as the Branch Counsellor of the IEEE JMI Student Branch.

On the day of the visit, the students settled comfortably in a bus booked by the Society and left the college premise for Ballabgarh at around 1:30 in the afternoon. The journey lasted a good 2 hours, providing ample time to the juniors to know, interact with and learn from their seniors. Refreshments were also provided.

On reaching the power transmission facility, the students were welcomed by the staff of the substation. After being briefed by the team, the students were split into two groups for the tour – one comprising of the lesser experienced B.Tech. students, most of them 2nd year Electrical Engineering students, and the other that of M.Tech. and PhD students. Dr. Thomas accompanied the former, younger lot.

The facility is nearly 25 years old now and falls under the Power Grid Corporation of India Limited (PGCIL). It spans over 126 acres of land, and consists of a huge outdoor switchyard with lines carrying currents as high as 1500A at voltages as high as 400kV and expensive high power-capacity equipment to ensure that no damage whatsoever is caused by electricity so powerful, equipment to measure this electricity and instruments for communication purposes. This includes 4 robust 315MVA Inter-connected Transformers (ICTs), 14 line feeders, 3 Fixed Series Compensators (FSCs), 5 shunt reactors and 11 400kV power lines coming in from different parts of North India. The facility also houses a panel and control room

from where all the lines are monitored, communication established, and the data stored.

The students were shown around, the functions of the various equipment and the principles behind the functioning of these equipment, both, were very well explained to all the students. The staff left no stone unturned in their attempt to heed to all the intellectual needs of the curious minds. The trip ended with the clicking of group photographs at the campus.

On their return journey to college, students were given refreshments as they tried to assimilate what all they had learnt. Not only was the trip a great learning experience for the students, but also provided them with the opportunity to bond with their variedly-experienced peers.

Raghav Gupta
Secretary | IEEE JMI Student Branch
Chairperson | IEEE-PES JMI
April 8, 2014

The report on Distinguishrd Lecture by Prof J Hotz at NSIT, Dwarka, New Delhi on 15th April'2014

An IEEE distinguished Lecture on "**Control of High Dynamic Medium Range AC Drives**" by Prof. J. Holtz was organized by IEEE PELS-IES DELHI CHAPTER with IEEE PES-IAS DELHI CHAPTER on April 15, 2014 at 10:30AM at NSIT. The programme commenced with the welcome address given by Dr. Prerna Gaur, Associate Prof., Div. of ICE NSIT. After that Prof Holtz gave his presentation on the above mentioned topic. The abstract of the talk is:

The high switching losses of medium voltage semiconductor devices make the operation of the inverter at low switching

frequency mandatory. Even with multilevel voltage waveforms is the harmonic distortion of the motor currents high. To compromise between switching losses and harmonic distortion switching frequencies around 1 kHz are customary.

A novel design of medium voltage drive control starts from a motor model based on space vectors as complex state variables. This leads to single-complex eigenvalues that describe the motor dynamics. The electromagnetic subsystem of the motor is described by only two single-complex eigenvalues. Their locations in the complex plane convey an understanding of how the transient spatial magnetic fields propagate during dynamic processes. The physical insight thus gained permits replacing the standard PI current controllers of a vector control system by one single current controller having complex state variables. Superior dynamic performance is achieved even at low switching frequency.

An alternative method uses synchronized pulse patterns with minimum harmonic content. The switching frequency reduces to 20% and very low losses result. A given inverter can be overloaded to double its original rating. High dynamic performance is achieved by tracking the optimal trajectory of the stator flux linkage vector by closed loop control."

The students found the session to be highly informative and useful.

Nearly 60 students got benefitted through this program and 18 were IEEE members. The program came to the end with the vote of thanks proposed by Dr. Prerna Gaur.

60 people were present at the seminar. Approximately 10 faculty members and 50 students (U.G.+M.Tech.+ Ph.D. Students) have attended the same. 18 IEEE members have attended the same.

Dr. Prerna Gaur
April 23, 2014

Extracts from IEEE Member Benefits Bulletin: February 2014

Volunteers needed for IEEE Awards

The IEEE Awards Board seeks new volunteers to serve on its award selection committees, Awards Board standing committees, and the Awards Board to assist with managing the recipient nomination and selection process for IEEE Medals, Technical Field Awards, and Recognitions, the highest awards IEEE presents on behalf of the IEEE Board of Directors.

To nominate yourself or someone else to serve as Awards Board Chair, Vice Chair, or Member-at-Large, visit the IEEE Nominations and Appointments Web page for job descriptions and application processes. Nominations are due 15 March.

To apply to serve on an award selection committee or as a member of one of the following Awards Boards (AB) committees, visit the IEEE Awards Board Nominations and Appointments Web page.

- AB Awards Review Committee
- AB Planning and Policy Committee
- AB Finance Committee
- AB Presentation and Publicity Committee
- AB Joint Awards with National Societies Committee
- Medals Council
- Technical Field Awards Council

Honoraria Giving
Turn Your Speaking Engagement into a Good Deed

Award recipients and conference speakers who receive payment in exchange for their speaking engagement may elect to donate their honorarium (cash prize or fee) to one or more of the designated Funds of the IEEE Foundation, including the General Fund, History Center Fund, Life Members Fund, a Scholarship Fund like the IEEE PES Scholarship Plus Initiative, or one of the many other Funds administered on behalf of IEEE organizational units.

If you wish to donate your honorarium and avoid the taxable income, you must designate that IEEE (via IEEE conference chair, IEEE conference treasurer, IEEE staff director or IEEE Sr. administrator) transfer the honorarium directly to the IEEE Foundation. By submitting a request to re-direct your honorarium directly to IEEE Foundation, you will not need to complete a W-8 or W-9 form. If you accept the honorarium check, the honorarium becomes taxable income.

The IEEE Foundation routinely handles arrangements for honorarium recipients who desire to re-purpose their honorarium for a good cause. If you would like to designate your award/speaker honorarium, you may download and complete either the **Award Honorarium Form or the Speaker Fee Form** and send a copy to the IEEE Foundation at donate@ieee.org, fax it to +1.732.981.9515 or by mail.

The IEEE Foundation will recognize your generosity by publishing your name in the

Honoraria Giving section of its annual Honor Roll of Donors publication. You may also qualify for recognition in other donor recognition groups. Your donation may remain anonymous at your request.

For more information on donating and designate your honorarium, please contact the IEEE Foundation Development Office at +1 732 562 5550.

Nominations Sought for 2014 Educational Activities Board Awards

Members have until 30 April 2014 to submit a nomination for the 2014 IEEE Educational Activities Board (EAB) awards, which recognize and honor individuals and companies for major contributions to engineering and technical education. You may nominate a person, an IEEE section, IEEE Society, or an organization. Nominations are sought for these ten (10) awards:

- **IEEE EAB Meritorious Achievement Award in Accreditation Activities**
- **Meritorious Achievement Award in Continuing Education**
- **Meritorious Achievement Award in Informal Education**
- **Major Educational Innovation Award**
- **Pre-University Educator Award**
- **Meritorious Service Citation**
- **Employer Professional Development Award**
- **Section Professional Development Award**
- **Society/Council Professional Development Award**

- **Standards Education Award**

Questions can be sent to the [Educational Activities Board](#) or visit [online](#).

Nominations Requested for IEEE-Eta Kappa Nu Awards

IEEE-Eta Kappa Nu (IEEE-HKN), IEEEs honor society, seeks nominations for its annual awards program. The six awards recognize outstanding accomplishments by students, academics and industry professionals who make significant contributions to society and who exemplify a balance of scholarship, service, leadership and character. Past recipients of these awards have gone on to make major contributions to the electrical and computer engineering fields and IEEE designated fields of interest and hold noteworthy positions in academia, industry and government.

Nominations will be accepted until 15 May 2014 for these awards:

- Outstanding Young Professional Award
- C. Holmes MacDonald Outstanding Teacher Award
- Vladimir Karapetoff Outstanding Technical Achievement Award
- Distinguished Service Award
- Outstanding Chapter Award
- Alton B. Zerby and Carl T. Koerner Outstanding Student Award

For questions or more information visit www.hkn.org or contact info@hkn.org.

Extracts from IEEE MGA SCOOP - February 2014

Visit the [MGA News web page](#) for the latest news articles, including:

* 2013 annual reporting and rebate requirements: due 31 March

* IEEE Sections Congress 2014 registration opening soon
* Call for participants: MGA Volunteer Leadership Training Program: deadline 14 March
* Call for nominations: IEEE MGA leadership positions: deadline 1 April
* IEEE Women in Engineering news: 20th anniversary, International Leadership Conference, call for awards nominations
* IEEE launches ResumeLab
* Member Discounts: Lenovo and Dell PC discounts, Mozy update
* IEEE launches App-E-Feat site and contest
* Last call for nominations: IEEE Fellow Class of 2015: deadline 1 March
* Last call for grant applications: IEEE Foundation/IEEE Life Members Fund: deadline 7 March
* Call for nominations: IEEE Educational Activities Board Awards
* Call for nominations: IEEE-Eta Kappa Nu Awards

Extracts from IEEE MGA SCOOP - March 2014

* Last Reminder: 2013 annual reporting and rebate requirements: deadline 31 March
* IEEE Sections Congress 2014 registration is open
* Last call for nominations: IEEE MGA leadership positions: deadline 1 April
* Call for nominations: MGA William W. Middleton Distinguished Service Award: deadline 15 May
* IEEE congratulates 519 new Senior members; submit a Senior member application
* Introducing IEEE student travel grants
* Funds available for Region student competitions in 2014
* IEEE Women in Engineering news: 20th anniversary, International Leadership Conference, last call for awards nominations
* Nominate yourself or a colleague for upcoming IEEE PSPB, TAB, and IEEE-USA volunteer positions

* Nominate a colleague for the IEEE Technical Activities Board Hall of Honor recognition: deadline 24 April

Additional IEEE news can be found at links on the right side of the page.

- Visit MGA News at http://www.ieee.org/societies_communities/geo_activities/mga_news.html

Chapter Briefs
March 2014

A bi-monthly newsletter dedicated to sharing information of interest to IEEE Chapters to assist them in their communications and support efforts to their Chapters.

Some articles may have been compiled from internal IEEE communications, as well as Society newsletters.

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In this month's issue:

New Items:

Coming Soon………New Format for the Chapter Briefs Newsletter

IEEE Sections Congress 2014 Registration is Open

Introducing IEEE Student Travel Grants

Funds Available for Region Student Competitions in 2014

Resources:

Society Chapters Listing Report

Inactive Chapters

Dissolved Chapters

Suggested Campaigns for Membership Growth-Recovering Former Society Members

IEEE Distinguished Lecturer Program Page Published

New Member Orientation Webinars

Order an IEEE Membership Development Kit

Ongoing Information:

New IEEE vTools Features and Enhancements

IEEE Geographic Unit Officer Term Limits

IEEE Geographic Unit Officer Reporting Process

Required Geographic Unit Compliance

IEEE TA Spotlight - February 2014

Message from the 2014 Technical Activities VP

2014 Technical Activities Vice President Jacek Zurada discusses how Societies and Technical Councils must respond to the fast-paced growth of technology and stay ahead of the curve, while incubating new communities, to continue best serving the engineering community and humanity.

Researcher Support in Changing Environments

The research enterprise is changing, and IEEE has to manage that transition, or risk slowing down progress. Bob Hebner, 2013 Vice President of Technical Activities, and current member of the IEEE New Initiatives Committee (NIC),

discusses the importance of identifying current and future research trends.

A Vision of a Smart, Happy, City

The city of the future will be self-aware, much like a being, says Chair of IEEE's Future Directions Committee, and EIT ICT Labs Italian Node Director, Roberto Saracco. These cities will be able to reconfigure themselves, based on what's happening, and what might happen, in the immediate future.

Video Spotlight: Smart Cities
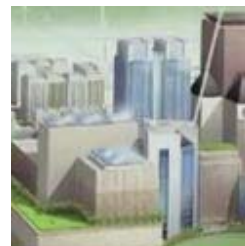
Roberto Saracco, along with other supporters of Smart Cities initiatives, highlights IEEE's endorsement of a transition toward smart and better cities, and discusses both current and potential alignment with urban technology initiatives that are becoming a hot technological topic.

"Smart Cities", IEEE Internet Computing
"Urban Sensor Data Streams: London 2013", IEEE Internet Computing
"Scalable Anomaly Detection for Smart City Infrastructure Networks", IEEE Internet Computing

"Public Open Sensor Data: Revolutionizing Smart Cities", IEEE Technology and Society Magazine

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IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

IEEE Delhi Section has as per **March 2014** statistics **2998 active Members** (*excluding Affiliates belonging to the Societies only*), consisting of **2 Honorary Member**, **4 Life Fellow**, **7 Fellow**, **19 Life Senior**, **168 Senior Member**, **3 Life Member**, **632 Member**, **16 Associate Member**, **384 Graduate Student Member**, **1763 Student Member**.

◆ **IEEE**

vol 14 no 5-6
May-June 2014

From the desk of ECC

My dear esteemed Members,
The combined issue of May and June is released with lots of news and views for your consumption, though during vacation (academic) otherwise we are not having usual activities of lecture, seminar, conference, etc. almost.

With best regards and wishes,

(Dr. Subrata Mukhopadhyay)
IEEE Delhi Section
June 07, 2014 (*Saturday*)
New Delhi
E-mail: ieeedelhi@ieee.org
Web-site: www.ewh.ieee.org/r10/delhi

Schedule of Lecture(s)

Surf IEEE vTools Meeting System (https://meetings.vtools.ieee.org/main),
then login with User Name and Password, and View Existing Meetings / View Published Meetings (https://meetings.vtools.ieee.org/meeting_view/list) for the Upcoming Meetings in

respect of IEEE Delhi Section and its Society Chapters / Affinity Groups.

List of IEEE Conferences in the geographic area covered by the IEEE Delhi Section (including area under contiguous Section) to go in 2014
(http://ewh.ieee.org/r10/delhi/event.html)

International Conference on Signal Propagation and Computer Technology 2014 (ICSPCT 2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33295) being organized by Govt. Engineering College, Ajmer, Rajasthan, India on July 12 and 13, 2014 (icspct2014.in)

2014 International Conference on Data Mining and Intelligent Computing (ICDMIC) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33840) being organized by Indira Gandhi Delhi Technical University for Women (IGDTUW), Kashmere Gate, Delhi, India on September 5 and 6, 2014 (http://igit.ac.in/ICDMIC-2014/index.html)

6th IEEE POWER INDIA International Conference 2014 (PIICONF 2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=34084) being organized by IEEE PES-IAS Delhi Chapter & IEEE PELS-IES Delhi Chapter at LE-Meridian, Connaught Place, Delhi / DTU from Dec 5 to 7, 2014 (http://ewh.ieee.org/r10/delhi/piconf.htm)

3rd International Conference on Parallel, Distributed and Grid Computing (PDGC-2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33468) being organized by Jaypee University of Information Technology, Waknaghat Solan, Himachal Pradesh, India from December 11 to 13, 2014 (http://juit.ac.in/pdgc-2014/index1.php)

In the pipeline are those slated in 2014 as per Section approval on submitted proposal, namely –

6th IEEE India International Conference on Power Electronics 2014 (IICPE 2014) - IEEE Conference Record # 34449 being organized by IEEE PELS-IES Delhi Chapter & IEEE PES-IAS Delhi Chapter at National institute of Technology (NIT) Kurukshetra, Haryana, India from Dec 8 to 10, 2014 (http://ewh.ieee.org/r10/delhi/iicpe.htm)
2014 8th International Conference on Capacitors (CAPACIT) - IEEE Conference Record # 34701 being organized by Indian Electrical and Electronics Manufacturers Association (IEEMA) with IEEE PES-IAS Delhi Chapter & IEEE IAS (as proposed) Technical Co-Sponsors at Hotel Imperial, New Delhi, India on Nov 20 & 21, 2014 (http://www.ieema.org/capacit2014/)
Reference: IEEMA - IEEE MOU signed in New Delhi on February 26, 2014 (as published in earlier issue) based upon which IEEE and its Societies have already agreed to collaborate in carrying out activities jointly with IEEMA.

Call for Contribution to BEACON - Delhi Section's Journal

Dear All
Articles relevant to all IEEE areas are invited for inclusion in the next issue of BEACON - IEEE Delhi Section's Journal. Please ensure IEEE style, maximum length 6 pages (A4 size) including pictures and diagrams (if any). The top of the article must have the title, author(s) name(s) with affiliation(s), Abstract (100 words) and key words (not more than 5). The article can be submitted to the Chair of Publications and Public Relations Standing Committee, Mr. Daman Dev Sood at damandev.sood@ieee.org by **30th June 2014**.

A sample of BEACON issue and articles can be viewed at http://www.ieeebeacon.com/.

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Warm Regards

Daman Dev Sood, FBCS, MBCI, SMIEEE, MAIMA, ISO 22301 LA & Expert
IEEE Ambassador
CIO & Head - Sustainability Practice
Continuity and Resilience
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Extracts from IEEE MGA SCOOP - April 2014
(as received on May 1, 2014)

Visit the MGA News web page (http://www.ieee.org/societies_communities/geo_activities/mga_news.html) for the latest news articles, including:

* Thank you for submitting officer, meeting, and financial reports
* Register now for IEEE Sections Congress 2014, 22-24 August, in Amsterdam, Netherlands
* Welcome new members in your Section and invite them to attend an orientation webinar
* Last call for nominations: MGA William W. Middleton Distinguished Service Award: deadline 15 May
* Call for nominations: IEEE Fellow Class of 2016; online system makes nominations easier
* Member Discounts: Liberty Mutual scholarship program, Dell discounts
* IEEE Power & Energy (PES) Scholarship Plus Initiative now accepting applications: deadline 30 June
* IEEE Smart Cities Initiative launches, seeks engagement from global municipalities: deadline 16 May
* Call for nominations: 2015 IEEE-HKN Board of Governors: deadline 1 June

Extracts from IEEE MGA SCOOP – May 2014
(as received on May 30, 2014)

Visit the MGA News web page for the latest news articles, including:

* Register now for IEEE Sections Congress 2014, 22-24 August, in Amsterdam, Netherlands
* Section Vitality Dashboard - Phase II released
* vTools Release Announcement: new features for Meetings and Voting
* Feed your Web site with job postings
* Post internship and co-op jobs on the IEEE Job Site at no charge
* Member Discounts features travel deals
* Last call for nominations: IEEE Medals and Recognitions: deadline 1 July

- E-mail MGA staff <mailto:scoop@ieee.org> to submit feedback

A report on World Environment Day at Slum Cluster
by **Ravindra Joshi**
Joint Secretary, IEEE Delhi Section
<ravindra.joshi@tatapower-ddl.com>

TPDDL & IEEE Delhi Section PES and IEEE Delhi HTC organized a mega event on "World Environment Day", 5th June 2014, at JJ cluster B&C Block and Jailor Wala Bagh, Wazirpur. The theme of the event was "**Solar Energy Awareness Drive in Slum Clusters**". The event was co-sponsored by Ecomax.

The event was aimed at providing general awareness to slum residents on the usage of Solar Energy and its positive impact on environment. The event involved asking 10 questions on Global Warming followed by "3 ideas to prevent global warming" to be submitted by the event participants which were all JJ Slum residents. The focus was on Solar energy, Solar appliances and its advantages for environment and lower electricity bills. There was a drawing competition for children where children were asked to do drawing and painting on environment friendly items like tree, cycle, mountain, water, sun etc.

Event Theme

Awareness on Solar Items

Trainees at Solar Stall

Drawing Competition

Participation

Touching moment

Mr. Ravindra Joshi briefing the event

Prize Distribution to winners

Prize Dist. by Mr. Amit Kumar Garg

ALC Brand Ambassador Volunteering

1.   Attractive prizes were given to the top three scorers of the quiz contests followed by 5 consolation prizes.

2.   Prizes were given to the top three scorers of the drawing contests followed by 5 consolation prizes for winners of drawing competition.

3.   The prizes were Solar Lamps, Solar torches and hand charging batteries.

One stall was also put up which displayed Solar appliances for spreading awareness among the local residents.

About 3,000 JJ population was covered making them aware about Solar energy and environment to some extent. Thus it was a good beginning to make slum residents aware about Mother Earth. About 140 volunteers participated which consisted of TPDDL team members, Adult Literacy Centre Brand Ambassadors of TPDDL who are slum residents etc. The enthusiasm of people to participate in such an event was a rare thing to see. Volunteers got good

response when they visited their home for quiz.

The Children from slums came on their own to participate.

One of the best thing happened was a hand handicapped child made the best environment drawing and got first prize as Solar Lantern.

Observing World Environment Week

Dear All,

An environment awareness program focused to Solar Energy is arranged as per details given below:

Date: 20-June-2014
Time: 11.00 am to 7.00 pm
Location: Select City Walk, Saket. New Delhi

The program will involve a quiz on awareness on Solar Energy in questions form, which will be run by volunteers. While visitors answer the questions, they start becoming aware.

For children, there will be drawing and painting competition on environment only.

Both events will have prizes for winners.

There will be one desk also where Solar Lamp, Solar Torches and Hand Charged torch will be displayed.

The event is organized in collaboration with UNIC, Select City Walk.

Please come and encourage the event.

Regards,
Ravindra Joshi
Chair, IEEE Delhi Section HTC Standing Committee
Joint Secretary, IEEE Delhi Section Executive Committee
ravindrajoshi57@yahoo.co.in
Cell 09818100743

IEEE Petition-good news

On Sat, Jun 7, 2014 at 7:22 PM, Tariq Durrani <t.durrani@strath.ac.uk> wrote:

Dear Subrata

I thought that you should be amongst the first to know that the IEEE has confirmed that we have met the target figures for signatures to my Petition, so we need not collect any more signatures.

Thank you for your support. I really appreciate all your help, advice and work in the collection of the signatures for my Petition.

Would you consider sending a message on my behalf to friends in your circle of acquaintances in the IEEE, conveying my thanks for their support.

Hope you would support me when the IEEE ballots are announced in mid August and earlier in the campaign.

with all best regards.

Tariq
===========================
Professor Tariq S Durrani OBE FRSE FREng
Research Professor
Department of Electronic and Electrical Engineering
University of Strathclyde
Glasgow Scotland UK
Tel: +44 (0) 141 548 2540
Fax: +44 (0) 141 552 2487
e-mail: durrani@strath.ac.uk

IEEE Technical Community Spotlight - May 2014
(*as received May 29, 2014*)

Message from the 2014 Technical Activities VP (http://sites.ieee.org/spotlight/a-message-2014-technical-activities-vice-president-may/)
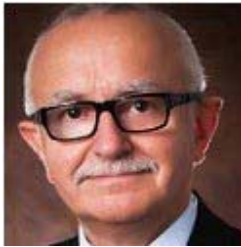
IEEE is becoming increasingly global as evidenced by rapid increases in technical society membership in Regions 8, 9, and 10. Our expanding global presence parallels overall globalization trends and reflects the rapid emergence of large and burgeoning national economies. In this reshaped landscape ...Read More...

A Voice for Technology: David Alan Grier

(http://sites.ieee.org/spotlight/david-alan-grier-voice-technology/)

As technologies evolve, David Alan Grier, IEEE Fellow and former President of the IEEE Computer Society, foresees a dramatic change in how the technological community will adapt. In his multiple roles as IEEE volunteer, professor at George Washington University, and technology consultant ...Read More...

New IEEE Publication is Electric!

(http://sites.ieee.org/spotlight/new-ieee-publication-electric/)

IEEE's newest publication, *IEEE Electrification Magazine*, is dedicated to all means of electrified transportation, from bicycles to airplanes, and everything in between. Jointly published quarterly by three IEEE technical societies, the magazine focuses on the microgrids onboard electric vehicles, planes ...Read More...

The Internet's Not Finished Yet

(http://sites.ieee.org/spotlight/internets-finished-yet/)
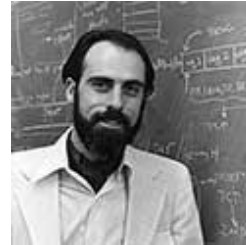
Last year's revelations about US governments surveillance of online traffic were a wake-up call to provide better protection of user privacy and confidentiality – including the regular use of end-to-end cryptography at multiple levels in the protocol architecture. Vint Cerf, IEEE Fellow and ...Read More...

Free Magazine Articles

- "Sensible Transportation Electrification," *IEEE Electrification Magazine* (*http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6749057*)
- "The Role of Energy Storage in a Microgrid Concept," *IEEE Electrification Magazine* (*http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6749070*)
- "Reducing Fuel Consumption at a Remote Military Base," *IEEE Electrification Magazine* (*http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6749055*)
- "Microgrid Service Restoration,"*IEEE Industrial Electronics Magazine* (*http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6681976*)
- "Electric Vehicle potential in Australia," *IEEE Industrial Electronics Magazine* (*http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6681998*)

Free magazine articles provided courtesy of: IES, IAS, ITSS, PES, PTLS, & VTS

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

IEEE Delhi Section has as per **May 2014** statistics **3487 active Members** (*excluding Affiliates belonging to the Societies only*), consisting of **2 Honorary Member**, **5 Life Fellow**, **7 Fellow**, **20 Life Senior**, **179 Senior Member**, **4 Life Member**, **739 Member**, **20 Associate Member**, **492 Graduate Student Member**, **2019 Student Member**.

IEEE

vol 14 no 7-8
July-August 2014

From the desk of ECC

My dear esteemed Members,
The combined issue of July and August is being released now with news and views for your information.

With best regards and wishes,

(Dr. Subrata Mukhopadhyay)
IEEE Delhi Section
August 31, 2014 (*Sunday*)
New Delhi
E-mail: ieeedelhi@ieee.org
Web-site: www.ewh.ieee.org/r10/delhi

Schedule of Lecture(s)

Surf IEEE vTools Meeting System (https://meetings.vtools.ieee.org/main), then login with User Name and Password, and View Existing Meetings / View Published Meetings (https://meetings.vtools.ieee.org/meeting_view/list) for the Upcoming Meetings in respect of IEEE Delhi Section and its Society Chapters / Affinity Groups.

List of IEEE Conferences in the geographic area covered by the IEEE Delhi Section (including area under contiguous Section) to go in 2014 and early 2015
(http://ewh.ieee.org/r10/delhi/event.html)

2014 International Conference on Data Mining and Intelligent Computing (ICDMIC) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33840)
being organized by Indira Gandhi Delhi Technical University for Women (IGDTUW), Kashmere Gate, Delhi, India on September 5 and 6, 2014 (http://igit.ac.in/ICDMIC-2014/index.html)

6th IEEE POWER INDIA International Conference 2014 (PIICONF 2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=34084)
being organized by IEEE PES-IAS Delhi Chapter & IEEE PELS-IES Delhi Chapter at LE-Meridian, Connaught Place, Delhi / DTU from Dec 5 to 7, 2014 (http://ewh.ieee.org/r10/delhi/piconf.htm)

6th IEEE India International Conference on Power Electronics 2014 (IICPE 2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=34449)
being organized by IEEE PELS-IES Delhi Chapter & IEEE PES-IAS Delhi Chapter at National institute of Technology (NIT) Kurukshetra, Haryana, India from Dec 8 to 10, 2014 (http://ewh.ieee.org/r10/delhi/iicpe.htm)

3rd International Conference on Parallel, Distributed and Grid Computing (PDGC-2014) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=33468)
being organized by Jaypee University of Information Technology, Waknaghat Solan, Himachal Pradesh, India from December 11 to 13, 2014 (http://juit.ac.in/pdgc-2014/index1.php)

2015 2nd International Conference on "Computing for Sustainable Global Development" (INDIACom – 2015) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=35071) being organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), A-4, Paschim Vihar, Rohtak Road, New Delhi - 110063, India from Mar 11 to 13, 2015 (www.bvicam.ac.in/indiacom/)

2015 International Conference on Signal Processing and Communication (ICSC 2015) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=34456) being organized by Jaypee Institute of Information Technology, A-10 Sector 62, Noida 201307, Delhi NCR, India from Mar 16 to 18, 2015 (www.jiit.ac.in/jiit/icsc/index.php)

In the pipeline are those slated in 2014 as per Section approval on submitted proposal, namely –

2014 8th International Conference on Capacitors (CAPACIT) - IEEE Conference Record # 34701 being organized by Indian Electrical and Electronics Manufacturers Association (IEEMA) with IEEE PES-IAS Delhi Chapter & IEEE IAS (as proposed) Technical Co-Sponsors at Hotel Imperial, New Delhi, India on Nov 20 & 21, 2014 (http://www.ieema.org/capacit2014/)
Reference: IEEMA - IEEE MOU signed in New Delhi on February 26, 2014 (as published in earlier issue) based upon which IEEE and its Societies have already agreed to collaborate in carrying out activities jointly with IEEMA.

From **Prof. O.P.N. Calla, FIEEE, Chairman. IEEE GRSS Delhi Chapter Director, International Centre for Radio Science(ICRS) Plot No. 1, Rano ji Ka Baag, Khokhariya Bera, Nayapura,Mandore, Jodhpur-342304 Rajasthan,India Mobile: 9414130666**

Tel: +91-291-2571030, 2571390 Fax: +91-291-2571390 www.radioscience.org

10TH INTERNATIONAL CONFERENCE ON MICROWAVES, ANTENNA, PROPAGATION AND REMOTE SENSING *Technically Co-Sponsored by IEEE-GRSS, USA, URSI Comm. F, Belgium & IETE, INDIA* **Jodhpur, Rajasthan, INDIA December 09 – 12, 2014 Pre Conference Workshop on 08th December, 2014 www.icmars.org**

Dear IEEE Members,

With great contentment and delight we would like to inform you that International Centre for Radio Science (ICRS) is organizing the **10th International Conference on Microwaves, Antenna, Propagation and Remote Sensing** in Jodhpur during **09-12th December, 2014** preceded by Pre Conference Workshop on **8th December, 2014** . The objective of the conference is to bring the renowned professionals and R&D Personnel, Academicians, Industrialist and scholars on a common platform for sharing their view related to the theme of the conference.

We extend a cordial invitation to you and your institution to participate in the conference and share your valuable experience in the field of Microwaves, Antenna, Propagation and Remote Sensing.

Further, we earnestly request you kindly to give wide publicity to the event among your organization and colleagues and motivate them to participate in the conference and submit research papers. Your wholehearted cooperation in this respect will go a long way to make the conference a grand success.

Kindly visit the conference website www.icmars.org for further details. The First Circular of ICMARS 2014 and Paper format of the Conference is attached with

this mail.

NOTE: Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference

IMPORTANT DATES:
Full Paper Submission Deadline: September 10, 2014 (Likely to be Extended)

Acceptance Notification: September 20, 2014
Early Bird Registration: October 01, 2014
Deadline for Authors to Register: November 01, 2014

The topics covered in the conference will include, but not be limited to, the following:

· Radio Frequency Communication Systems and Signal Processing.
· Electronics, Photonics and devices.
· Electromagnetic Noise and Interference.
· Wave Propagation and Remote Sensing.
· Biomedical applications of microwave.
· Antenna Analysis, Synthesis and Measurement.
· Expert systems for antenna design and smart antenna.
· Microstrip antenna and wideband antenna.
· Microwave and millimeter wave devices and circuits.
· Microwave measurements including Dielectric & material measurement.
· Navigational aids & Radar.
· Satellite communication.
· Microwave Applications (Communication, industrial etc.).
· Electromagnetic MetaMaterials.
· Nano Technology in Radio Science.
· EMI/EMC
· Planetary Explorations

· Any other relevant Topic

· Special Sessions on:
§ Spaceborne Remote Sensing
§ Planetary Exploration
§ Cryospheric Studies
§ Mobile Communication
§ Atmospheric Sciences

We sincerely look forward to welcoming you to ICMARS 2014 in December.

For More Info. Please Visit: www.icmars.org
**Extracts from IEEE MGA SCOOP –
June 2014**
(*as received on June 30, 2014*)

Visit the MGA News web page (http://www.ieee.org/societies_communities/geo_activities/mga_news.html) for the latest news articles, including:

* Register now for IEEE Sections Congress 2014; mobile app coming in July
* Member Loyalty Program lets Sections recognize members for their years of service
* MGA Middleton Award recipient announced
* MGA Outstanding Section Award recipients announced
* Announcing 2015 IEEE MGA Board members and committee chairs
* Call for nominations: 2015 MGA committee members and liaisons: deadline 1 August
* vTools release announcement
* Member Discounts: Quote for Scholarship; UPS Program in Canada

**Extracts from IEEE MGA SCOOP –
July 2014**
(*as received on July 30, 2014*)

Visit the MGA News web page for the latest news articles, including:

* Last chance to register for IEEE Sections Congress 2014; mobile app is here

* Last call for nominations: 2015 MGA committee members and liaisons: deadline 1 August
* Get ready for the IEEE Annual Election
* Canadian Anti-Spam Law guidelines under development
* IEEE Fellow program celebrating its 50th anniversary; improvements made to IEEE Fellow nomination process
* Sponsors needed for IEEEXtreme 8.0 Programming Competition
* Member Discounts: not just "local" member benefits
* Last chance to nominate a colleague for the IEEE Technical Activities Board Hall of Honor recognition: deadline extended to 9 August
* IEEE Awards: 2015 IEEE Technical Field Award recipients are announced

- E-mail MGA staff <mailto:scoop@ieee.org> to submit feedback

IEEE Chapter Briefs - July 2014
(*as received July 21, 2014*)

IEEE Chapter Briefs Newsletter New HTML Format

The IEEE Chapter Briefs Newsletter has been revised with a new HTML format, designed to make information within the newsletter easy to access and reader friendly. Each issue of the newsletter contains anchor links within the table of contents that allow you to jump straight to the article(s) you want to read. You'll also find a list of important links under the "Resources" section in the right-hand sidebar of the newsletter. If you are using a handheld device, you may need to scroll to the right to access this sidebar. A link to the most recent past issue of the newsletter is included at the bottom of each new issue.

We hope you enjoy the new format. For comments or questions, please email Liz

Parascondola.

Register now for IEEE Sections Congress 2014; mobile app coming in July

Register now for IEEE Sections Congress 2014 (SC2014).

SC2014 will be held 22-24 August 2014, at the RAI Convention Centre in Amsterdam, Netherlands. The primary audience for IEEE Sections Congress is IEEE members who are volunteering within the MGA structure (Region, geographic Councils, Section, Subsection, Chapter, and Affinity Group), but volunteers from other IEEE units are encouraged to attend as well.

The SC2014 theme is "Inspiring Our Leaders of Tomorrow," and the breakout sessions will correspond with the three program tracks: Enhance Member Satisfaction, Improve Volunteer Experience, and Reach Globally with Local Touch. In addition to attending five 75-minute traditional breakout sessions throughout the weekend, attendees will be offered several new program options, including Learning Labs and Ignite Sessions.

New this year, attendees will use the SC2014 mobile app (coming in July) to:

- plan their schedule in advance;
- participate in recommendations discussions;
- view speaker and exhibit information;
- provide instant feedback to speakers;
- interact via social media;
- connect with attendees;
- learn more about sponsors and sponsorship;
- and more.

A mobile app user guide and additional support will be provided in advance of SC2014.

Register now.

Watch the new SC2014 intro video.

Information about the program, sponsorship opportunities, and travel logistics is also available on the IEEE Sections Confress Web pages.

Section Vitality Dashboard - Phase II released

MGA is pleased to announce Phase II of the Section Vitality Dashboard. New features include:

- "Sign in" now defaults to your home Section
- Region has been added
- An advertising URL has been created: http://www.ieee.org/vitalitydb

A new Meeting Activity tab has links to meeting activities for the selected Section (technical, professional, non-technical, administrative) To make the most of these new enhancements:

- Use vTools.Meetings to advertise upcoming meetings. These meetings are automatically listed in myIEEE and an RSS feed of upcoming meetings can be added to your Section Web site.
- Use vTools.Meetings to report all events, such as volunteer training, work with local industry, or pre-university activities. Check out all the new subcategories. Recording all activities gives a more comprehensive view of what's going on in your Section.

Visit the Section Vitality Dashboard now.

E-mail questions to the MGA Information Management team.

vTools Release Announcement

The IEEE MGA vTools team is happy to announce successful new releases for the following vTools applications:

- vTools.eNotice: A new vTools application has been released to replace the existing eNotice submission form. Both options will remain available during the month of July as the pilot phase is completed. Try the new eNotice content management system now
- vTools.Meetings enhancements, such as: pricing for Life members in event registration has been streamlined to one option; meeting URLs have been shortened.
- vTools.Voting enhancements, such as: voting now supports elections for Societies, Technical Committees, and Councils.
- vTools.OfficerReporting and vTools.Voting have been updated to Rails 3.1 / Ruby 1.8.7.

Read more about the new releases on the vTools blog.

IEEE Region News

IEEE's The Institute has the latest news and updates for IEEE Regions 1-10. Read more.

Nominate Yourself or a Colleague for Upcoming Volunteer Positions

IEEE Technical Activities (TA) is looking for volunteers with the necessary leadership and organizational skills to impact the future success of the organization. Currently, we

are accepting nominations for these positions:

- Vice President Elect, Vice President, Past Vice President, IEEE Technical Activities (2016-2018).

To learn more about this position, or to nominate yourself or someone else, visit the Become a Technical Activities Volunteer page.

For information on more IEEE volunteer leadership opportunities, visit the IEEE Volunteer Leadership Opportunities page.

Access All Technical Activities Training Webinars in One Location

A calendar containing a list of all upcoming training events for Technical Activities volunteers is now available on the IEEE Technical Activities Operations site. The Volunteer Training Calendar (IEEE Account required) makes it easy to search for, register, and view current and archived training events in one easy-to-access location. For upcoming events, click the "Next Two Months" tab; for future events and past webinar recordings, click the "All Events" tab. Use the "Filter" search field to search specifically for TA Connect, MCE Educational, or Conference Exchanges webinars.

Important: You may need to re-click the Volunteer Training Calendar link after entering your account information to access the page. Please contact Kelly Bair, IEEE staff, with questions.

MGA Outstanding Section Award Recipients Announced

On 21 June 2014, the IEEE Member and Geographic Activities Board selected the following recipients of the 2014 MGA

Outstanding Large and Small Section Awards:

- 2014 MGA Outstanding Large Section Award recipient is the IEEE Bangalore Section from Region 10;
- 2014 MGA Outstanding Medium Section Award recipient is the IEEE Croatia Section from Region 8;
- 2014 MGA Outstanding Small Section Award recipient is the IEEE Panama Section from Region 9.

Congratulations to the Bangalore, Croatia, and Panama Sections for being selected for these awards "for successful efforts in fulfilling the educational and scientific goals of IEEE for the benefit of the public by maintaining, enhancing, and supporting the Student Branches, Technical Chapters, and Affinity Groups within their geographic boundaries."

This year's recipients, as well as previous recipients, are listed on the MGA Outstanding Section Awards Web page. There is also a section of the page highlighting some of the 2013 calendar-year activities of the recipients and nominees.

Member Loyalty Program lets Sections Recognize Members for their Years of Service

Eligible Section volunteers can purchase lapel pins and certificates for their members that commemorate select milestones as an IEEE member. Different from the pins that commemorate a certain grade of IEEE membership, these pins are designed to thank and recognize members for their years of service regardless of grade achievement; this is a great way to recognize members who might not otherwise be engaged, especially early in their IEEE membership tenure.

The one-inch round lapel pins recognize members at two, five, ten, 20, 25, 30, and 50 years of service as an IEEE member. This is based on the cumulative years of service regardless of grade (except Society Affiliate), grade elevations, or any breaks in service.

Learn more about the Member Loyalty Program and/or order pins for your Section.

IEEE Student Travel Grants

IEEE is pleased to offer a number of student travel grants to assist Student members in attending conferences and presenting papers. The IEEE Foundation and various Societies provide a host of opportunities for students to participate in workshops for training and educational purposes.

Visit the IEEE Student Travel Grants page for more information.

Funds Available for Region Student Competitions in 2014

The MGA Member Benefits Portfolio Assessment Committee is funding up to US$1,500 for student competitions in 2014. To participate, Region contest organizers must complete the funding request form (DOC, 84 KB).

The completed form should include the required Region officers' signatures, the objectives of the proposed project, the activities that will be undertaken to meet the objectives, the schedule of events, the estimated cost, and the sources of funds.

Approved requests will be processed swiftly, and funds will be transferred to the requesting Region's concentration banking account.

All requests for 2014 must be received by 30

November 2014.

E-mail questions and/or the completed form to Member Discounts for review and processing.

From Ravindra Joshi
Joint Secretary, IEEE Delhi Section Executive Committee
Chair, IEEE Delhi Section HTC Standing Committee
Aug 08, 2014

"Solar Energy – Our Sun, The Bright Alternative"

On 20th June 2014 in Select CITYWALK, Saket, New Delhi
Organised by IEEE HTC in collaboration with UNIC.
Co-sponsored by Select City Walk & Cornitos – Nacho Crisps.
Environment Event Report

IEEE Delhi Section HTC (Human Technology Challenge) organized an event in Select City Walk, Saket in collaboration with UNIC. This IEEE and UN event was aimed at providing general awareness to public on the uses and benefits of Solar Energy. The event started at 11am and finished at 6:30 pm.
The event flow was as follows:
1. An objective quiz based on solar energy followed by "2 ideas to promote solar energy" to be submitted by the event participants (i.e.public).
2. Attractive prizes were given to the top

three scorers of the quiz followed by consolation prizes.

3. One of the best part was the children participation. They were continuously seen painting on environment friendly topics throughout the day.

4. In total about 300 children painted and to keep the interest and enthuse of the children, all were given some token gift while the three best paintings got the top three prizes.

The event was a big success with more than 2,000 people participating and thus becoming aware of good points of usage of Solar Energy.

The enthusiasm of people to participate in such an event was a rare thing to see. We received many innovative ideas to promote and support the use of solar energy.

We would like to thank our sponsors – Select City Walk Mall for providing us the venue and space and Cornitos for their Cornito Nacho packs which were a hit with children and volunteers. Our collaborator UNIC also actively participated in organizing the event.

The event was overall organized by Mr. Ravindra Joshi, Chair IEEE Delhi Section HTC, who was present throughout the event to engage the audience and energise the volunteers who at this event came from IIT Delhi, IP, NSIT, DU and other reputed institutions.

Volunteers participated enthusiastically. They were all given a small momento, which was a environmental friendly hand-charging torch light. The Cornitos Nacho sponsoring in the form of quick crisp bites enthused the volunteers to work more energetically.

The prizes given to the winners of the quiz competition were very attractive such as Solar lamps, torches and hand-pressing torches. Wide appreciation was seen from the public that environment friendly products were given as prizes.

There were request from many of the audiences to repeat such environment awareness events. One of the unique part

was in the display area of the solar products, there was a good response and many even ended up questioning whether they could purchase them or how to set up a solar power system.

The partners and sponsors were also present for a good duration. In the end it was a satisfying day for those involved in organizing this event.

Mr. Ravindra Joshi, Mrs. Kiran Mehra Kerpelman and Mr. Rajeev Chandran of UNIC spoke words of appreciation and gave away the prizes to the winners.

Ravindra Joshi Giving Prizes

Mrs Kiran Mehra of UNIC giving prizes

Ravindra Joshi, Kiran with Children Painting Winner

Volunteers with Ravindra Joshi

Sponsor of Cornitos – Nacho Crisps, Ms Meenakshi

Volunteers with Ravindra Joshi

From Gitansh Anand
<gitansh92@gmail.com>
Section Student Representative
IEEE Delhi Section
Member | IEEE EduSoc SAC
Vice-Chairperson | IEEE MSIT
Contact number: 09971480184

Aug 20, 2014

Children in action in Environment painting competition

LSM- NEW DELHI is here!

Volunteers with Ravindra Joshi

THE LEAN STARTUP
Created by Eric Ries - startuplessonslearned.blogspot.com
Designed by KISSmetrics

Want to build products faster and network awesome people from the Startup Community?

Get Geared for one of the Biggest Workshop in the Startup World, Lean Startup Machine. Happening in New Delhi. Don't let this opportunity go away. Get a Chance to meet Successful Entrepreneurs, Hustlers, Investors, etc.

- Pitch them directly
- Get introduced, make networks
- Learn best practices from priceless workshops on Lean Startup Principles, customer interviews, MVP etc.
- Know your fellow entrepreneurs
- Kickstart your Business in 3 Days with advice from India's Leading Advisers, mentors, etc.
- Learn Lean practicing from the Best and apply them in not just your business/startup but your Daily Life Schedules, Work ethics, etc.
- Meet mentors, advisers and more

- Chance to Get funded spot on from range of Angel Investors and VC's present at the event

Venue: Investopad, 18, Sector 32, Gurgaon, Haryana
Get more information
here: https://www.leanstartupmachine.com/cities/new-delhi

IEEE Members get a limited time discount **80% Off**, Discount Code: **sponsor10000**. Book Now (https://www.leanstartupmachine.com/cities/new-delhi/)

For more Information Contact Samanyu Chopra, Organizer:
e-mail: me@samanyuchopra
Mobile: +91-9953052489

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

IEEE Delhi Section has as per **August 2014** statistics **3869 active Members** (*excluding Affiliates belonging to the Societies only*), consisting of **2 Honorary Member, 5 Life Fellow, 7 Fellow, 20 Life Senior, 185 Senior Member, 4 Life Member, 1118 Member, 71 Associate Member, 394 Graduate Student Member, 2063 Student Member.**

IEEE

vol 14 no 9-12
September-December 2014

From the desk of ECC

My dear esteemed Members,
The combined issue from September to December is being released now with news and views for your information. In this context your attention is drawn in particular

to the circular related to the announcement of slate of IEEE Delhi Section Executive Committee for 2015.

With the release of this issue we are completing 14 years of our journey in publishing Section e-newsletter.

With best regards and wishes,

(Dr. Subrata Mukhopadhyay)
IEEE Delhi Section
December 28, 2014 (*Sunday*)
New Delhi
E-mail: ieeedelhi@ieee.org
Web-site: www.ewh.ieee.org/r10/delhi

Schedule of Lecture(s)

Surf IEEE vTools Meeting System (https://meetings.vtools.ieee.org/main), then login with User Name and Password, and View Existing Meetings / View Published Meetings (https://meetings.vtools.ieee.org/meeting_view/list) for the Upcoming Meetings in respect of IEEE Delhi Section and its Society Chapters / Affinity Groups.

List of IEEE Conferences in the geographic area covered by the IEEE Delhi Section (including area under contiguous Section) to go in 2014 and early 2015

(http://ewh.ieee.org/r10/delhi/event.html)
2015 2nd International Conference on "Computing for Sustainable Global Development" (INDIACom – 2015) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=35071) being organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), A-4, Paschim Vihar, Rohtak Road, New Delhi - 110063, India from March 11 to 13, 2015 (www.bvicam.ac.in/indiacom/)
2015 International Conference on Signal Processing and Communication (ICSC 2015) (http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=34456) being organized by Jaypee Institute of Information Technology, A-10 Sector 62, Noida 201307, Delhi NCR, India from March 16 to 18, 2015 (www.jiit.ac.in/jiit/icsc/index.php)

In the pipeline are those slated in 2015 as per Section approval (or likely to be approved) on submitted proposal, namely –

Second National Conference on Recent Developments in Electronics (NCRDE 2015) to be held from September 25 to 26, 2015 at SP Jain Centre Auditorium, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India by IEEE EDS Delhi Chapter
International Conference on Soft Computing Techniques and Implementations 2015 (ICSCTI 2015) (#35875) to be held from October 15 to 17, 2015 at Manav Rachna International University (MRIU), Faridabad, Haryana, India
IEEE INDICON 2015 (#35884) Co-Sponsored by IEEE Delhi Section and IEEE India Council with the support of Jamia Millia Islamia (JMI), New Delhi, India at JMI from December 17 to 20, 2015

Visit of IEEE President & IEEE VP (MGA)

IEEE President Prof. Roberto De Marca and IEEE Vice President Ralph Ford along with Cecelia Jankowski (MGA) visited Delhi on October 31 & November 7, 2014 respectively and had interaction with the IEEE Delhi section Executive Committee which had its 4th and Special Meetings on those days.

From: **IEEE Delhi Section** <ieeedelhi@gmail.com>
Date: Tue, Dec 23, 2014 at 12:14 PM
Subject: **Notice with circulation of slate of IEEE Delhi Section Executive Committee for 2015 enabling petition, if any, to be submitted within 28 days, i.e., latest by 20 January 2015 against one or more positions in the slate**

following the procedure
To: IEEE Delhi Section Members

No. IEEE/Delhi-14/071
December 23, 2014 (Tuesday)

Dear IEEE Members belonging to Delhi Section,

IEEE Delhi Section Standing Committee on Nomination consisting of Prof. Shiban K. Koul as Chair and Prof. R. K Shevgaonkar & Dr. Subrata Mukhopadhyay as Members finalized and submitted the slate of IEEE Delhi Section Executive Committee for 2015 on 22 December 2014 as attached. **As per provisions in the Section Bylaws (refer Section website at http://ewh.ieee.org/r10/delhi), this communication may be treated as notice with circulation of slate enabling petition, if any, to be submitted within 28 days, i.e., latest by 20 January 2015 against one or more positions in the slate following the procedure mentioned therein.**

For the sake of transparency further the following may please be noted.

The nomination was based upon consideration of the following points, after receipt of 'volunteering to serve in the Section Executive Committee' from the Members.

1. IEEE Delhi Section has a sustained dispute with UP Section for the areas coming under NCR but falling under UP as mostly due to proximity Members prefer to join Delhi using Contiguous Section Affiliation option. It may be noted that other areas of NCR, namely in Haryana fall under Delhi Section. On the other hand though from Section earlier attempt was made for forming Subsection at Chandigarh & Rajasthan in the last decade, it met success for the former only. Now Members from Rajasthan have moved a case for forming Section and if not, a Subsection, but Delhi

Section is facing difficulty in clearing the matter going by the past record. However, with fresh initiative proposed by the Section, it is likely to be resolved shortly.

2. But like southern part of India, Delhi Section expects eventually most of the states in the northern part of the country too should have separate Sections, may be first as Subsection and with the passage of time after gaining experience becoming Section. However, as told earlier, Section too lacked in showing interest except for Chandigarh and Rajasthan where traditionally there is concentration of IEEE Members. Now with the establishment of IITs, besides existing NITs and few upcoming self-funded Universities, number of IEEE Members is increasing in these states to a great extent, except in J & K.

3. In view of above maintaining seniority and considering positions in the professional field and / or job, for the 6 positions of Officers of Section, namely, Chairperson, Executive Vice Chairperson, Vice Chair person, Secretary, Joint Secretary, and Treasurer the concerned nominations have been done. 7th position goes automatically to the Immediate Past Chair. For the rest 9 positions of Members, while first two (at serial # 8 & 9) are very senior and experienced, the one at # 10 is also in the Executive Committee for the last two years and is contributing in the NCR under UP. So the Member concerned is representative from UP. Next 11 to 16 are all new comers, with 1 from Rajasthan, 1 from Haryana (with proven track-record in Student Activities), 1 from Punjab (wrongly placed as Vice President of Chandigarh Subsection), 2 from HP (who have already proven track for IEEE PES activities and organizing IEEE Conferences respectively), & 1

lone new-comer from Delhi with Student Branch-related background. Out of these 6, 2 are from self-funded Universities while rest from Central or state Govt.-owned Institutes / University. (In fact as a whole adequate attention has been paid to see participation from private sector as well, besides public sector.)

4. Out of 16, 7 are from Power & Energy, 5 from Computer & IT, and 4 from E & C sub-disciplines while except 3, all are from academia.

5. Therefore, it is suggested that while co-opting Members (up to 4), Members from field may be given preference. Also in order to have proper mixing of experience, one or two may be selected from experienced Past Chairpersons who are still active.

6. IEEE Delhi Section is having 1 Subsection, 13 Chapters and 3 Affinity Groups (i.e., in all 17 entities), Chairs of all of which are ex-officio Members of Executive Committee. In order that representation is proper and nobody holds double / triple positions, following should be taken care of.

    -   Prof. K. Subramanian, proposed Executive Vice Chairperson should relinquish the charge of Computer Society Delhi Chapter Chair,

    -   Prof. Abdul Q. Ansari, proposed Vice Chairperson should relinquish the charge of Computational Intelligence Society Delhi Chapter Chair, and

    -   Dr. Prerna Gaur, proposed Secretary should relinquish the charges of PELS-IES Delhi Chapter Chair & WIE Delhi Affinity Group Chair,

With new incumbents in those places, thus IEEE Delhi Section Executive Committee for 2015 can have full strength with voting right for 16+17 = 33 Members. However, this figure with co-opted Members (with Section Exec Com selecting up to 4, who do not have voting rights) strength may go up to 37 at best.

Thanks & regards / best wishes.
Subrata
(as Electronic Communications Coordinator, for and on behalf of Nomination Standing Committee of IEEE Delhi Section)

_____

Prof. (Dr.) Subrata Mukhopadhyay, *valued IEEE Member for 45 years*
GTBIT, GGSIP University, New Delhi
Member, IEEE IAS Executive Board (2014-15)
(*Founder Vice Chancellor, Lingaya's University, Faridabad, Delhi NCR*
Former R10 Representative & Member of IEEE PES Governing Board)
Chair, Tech & Prof Act STDCOM, **Chair**, **Section History STDCOM**
Chair, **Education Society Chapter**, **& ECC of IEEE Delhi Section**
B-802 Appu Enclave CGHS Ltd
Plot No. 3D, Sector - 11, Dwarka Ph-I
New Delhi - 110 075, INDIA
Tel: +91-11-43098372, 28035802 (H)
Mo: +91-9811477956, 9968294972

Slate of IEEE Delhi Section Executive Committee for 2015

Position   Name   Affiliation
1. **Chairperson** Prof. Mini S. Thomas, JMI
2. **Exec Vice Chairperson** Dr. K. Subramanian, ex-NIC

3. **Vice Chairperson** Prof. Abdul Q. Ansari, JMI
4. **Secretary** Dr. Prerna Gaur, NSIT
5. **Jt. Secretary** Mr. Piyush K. Gupta, C-DoT
6. **Treasurer** Mr. Ravindra Joshi, Tata Power Delhi Distribution Ltd.
7. **Past Chairperson** Prof. Bhim Singh, IIT-D
8   **Member** Prof. M. N. Hoda, BVICAM
9. **Member** Mr. Daman Dev Sood, City Innovates
10. **Member** Dr. Shabana Urooj, GBU-G.Noida
11. **Member** Dr. Bharat S. Rajpurohit , IIT-Mandi
12 **Member** Dr. Sumit Srivastava, Manipal University, Jaipur

13. **Member** Dr. Akhilesh Swarup, NIT-Kurukshetra
14. **Member** Dr. Rohit Y. Sharma, IIT-Ropar
15. **Member** Dr. Nitin, JUIT, HP
16. **Member** Dr. Jasdeep Kaur Dhanoa, IGDTUW, Delhi

Sd/-   Sd/-
(Shiban K Koul)   (R K Shevgaonkar)
Chair   Member
Sd/-
(Subrata Mukhopadhyay)
Member   Nomination Standing Committee

22-Dec-2014

IEEE PES-IAS Delhi Chapter Executive Committee Slate for 2015 announced

1. Dr. Rachana Garg, DTU (Chair)
2. Dr. Bharat Rajpurohit, IIT-Mandi (Secretary)
3. Dr. Alka singh, DTU (Treasurer)
4. Prof. Sukumar Mishra, IIT-D (Past chair)
5. Prof. Ratna Dahiya, NIT-Kurukshetra (Member)
6. Mr. Ravindra Joshi, TPDDL (Member)
7. Prof. Dinesh Jain, DCRUST, Murthal (Member)
8. Mr Ahteshamul Haque, JMI (Member)
9. Mr. Akhil Singhal, POSOCO (Member-Young Professional)

2014 PES Outstanding Chapter Engineer Award (OCEA) Winner Announced

Prof. Dinesh Jain (DCRUST, Murthal, Haryana), SMIEEE has been nominated for the award for 2014 by the Delhi Joint Chapter of PES and IAS.

IEEE PELS-IES Delhi Chapter Executive Committee Slate for 2015 announced

1. Mr. J. B. V. Reddy, DST (Chair)
2. Dr. Radheshyam Saha, CEA (Secretary)
3. Dr. Mukhtiar Singh, DTU (Treasurer)
4. Dr. Prerna Gaur, NSIT (Past chair)
5. Prof. Prof. Ravinder S. Bhatia, NIT-Kurokshtra (Member)
6. Prof. Sukumar Mishra,IIT-D (Member)
7. Prof. Madhusudan Singh, DTU (Member)
8. Dr. Ashu Verma, IIT-D (Member)
9. Mr. Chinmay Jain, IIT-D(Member-Young Professional)

Congratulations to Dr. Manoj Saxena for joining the EDS Newsletter Editorial Board

On Thursday, 4 September 2014 9:38 PM, Joyce Lombardini <j.lombardini@ieee.org> wrote:

Dear Dr. Manoj Saxena:

On behalf of the IEEE Electron Devices Society Newsletter Oversight Committee, we are pleased to appoint you as a Regional Editor of the *IEEE Electron Devices Society Newsletter*. Your nomination by MK Radhakrishnan was approved unanimously.

Your regional editor duties will encompass gathering news from EDS chapters and sponsored conferences within IEEE Region 10, for South Asia (India, Bangladesh and Nepal). The official start of your 3-year term will be 1 January 2015, but we ask that you begin soliciting content for the next issue of the newsletter scheduled for publication in April 2015 (submission deadline 1 January 2015). Notices will be sent to chapters in your assigned regions by the end of September to announce your new appointment.

Please send Joyce Lombardini, from the EDS Executive Office, your bio (approximately 100 words) and photo so we can announce you as a new editor in the next issue of the EDS Newsletter. Joyce will forward you all the required reference materials for you to effectively perform as Editor.

We warmly welcome you to the Editorial Board of the EDS Newsletter and are looking forward to working with you.

We would appreciate your formal acceptance as the Regional Editor by reply e-mail.

Sincerely,

MK Radhakrishnan
EDS Newsletter Editor-in-Chief

Fernando Guarin
EDS Newsletter Oversight Committee Chair

cc: EDS Newsletter Oversight Committee

Extracts from IEEE MGA SCOOP – October 2014
(*as received on November 1, 2014*)

Visit the MGA News web page for the latest news articles, including:

* IEEE members select Barry Shoop as 2015 IEEE President-Elect
* IEEE Technology and Engineering Management Society Chapters' transition
* Member Discounts: IEEE member travel discount features benefit conference attendees
* TryEngineering.org goes mobile
* IEEE Conference Education Program now available
* Introducing a low-cost online registration tool for conference and event management
Additional IEEE news can be found at links on the right side of the page.

- Visit MGA News at
<http://www.ieee.org/societies_communities/geo_activities/mga_news.html>
- E-mail MGA staff
<mailto:scoop@ieee.org> to submit feedback, subscribe, or unsubscribe

Extracts from IEEE MGA SCOOP – November 2014
(*as received on November 23, 2014*)

* IEEE Assembly announces 2015 corporate officers
* In memoriam: Cathy Downer, MGA membership development manager
* Call for nominations: IEEE Fellow Class of

2016: deadline 1 March
* IEEE Life Members Fund Commemorative Coaster: The Invention of the First Transistor
* Member Discounts: holiday offers on computers
* Conference education opportunities from IEEE Meetings, Conferences and Events

TA Spotlight - September 2014
(*as received on September 04, 2014*)
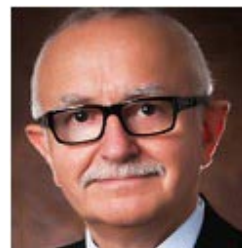
Message from the 2014 Technical Activities VP
Representatives from IEEE's Societies and Councils joined this year's IEEE Sections Congress in Amsterdam, the Netherlands in an effort to inform IEEE Section leaders about Technical Activities' exciting on-going activities and opportunities and increase collaboration with IEEE Member and Geographic Activities.

Rakesh Kumar: Drawing From the Past to Improve the Future
Rakesh Kumar, IEEE Fellow and former President of the IEEE Solid-State Circuits Society, describes a particularly long history with IEEE, and a dedication to ensuring that the organization progresses toward a successful future.

Out of this World Work in the Life Sciences
Have you ever wondered what it's like to conduct biomedical research in microgravity? Every day, teams of engineers, scientists, and medical practitioners are taking on the

challenges of working in the unique environments space offers with some amazing results.

Exciting Opportunities: Technical Communities Continue to Evolve

Despite the stride at which technology marches forward, it is imperative to stay at the forefront of technological innovation. IEEE is committed to continually expanding its technical coverage at the same speed as the most cutting-edge technology.

TA Community Spotlight - November 2014
(*as received on November 6, 2014*)

### Message from the 2014 Technical Activities VP

In recent years, Technical Activities has placed special emphasis on nurturing technical communities through the incubation and growth of its Future Directions technology initiatives. The IEEE Big Data Initiative, launched this year, is one of the most exciting initiatives added to our impressive portfolio.

In Technology Contests, Everyone's a Winner

This year's IEEE Societies and Technical Councils Contest Roundup boasts newly formed partnerships, a commitment to tackling humanitarian issues, and a trend of tapping into popular culture. 2014 IEEE contests and events provided opportunities for participants of all ages and fields of interest to engage in technological innovation.
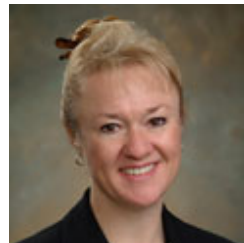
Wanda Reder: Strengthening the Pipeline Through Collaboration

Wanda Reder, IEEE Division VII Director and member of the IEEE Power & Energy Society (PES) Governing Board, discusses her passionate commitment to pioneering new ways of implementing emerging power technology through collaboration, and to ensuring that there is a sufficient pipeline of up-and-coming power engineers to perpetuate growth within the field.

Computational Thinking: A Necessary Foundation to Coding

Recent interest in teaching coding as a basic skill has attracted new people into the engineering space and enhanced the careers of existing engineers. This review of Grady Booch's column in *IEEE Software Magazine* explores the need to teach coding not as a purely vocational skill, but in a contextual way, as well, reflecting the breadth of the field of computer science.

Extracts from IEEE Chapter Briefs - October 2014
(*as received Oct 1, 2014*)

IEEE Sections Congress 2014: Inspiring Our Leaders of Tomorrow

IEEE Sections Congress 2014 (SC2014) was held 22-24 August 2014, at the RAI Convention Centre in Amsterdam, the Netherlands. The SC2014 theme was

"Inspiring Our Leaders of Tomorrow," and attendees had opportunities to attend Breakout Sessions, Learning Labs, and Ignite Sessions. The exhibit hall had over 40 exhibitors, as well as poster sessions and special student projects on display.

New this year, attendees used the SC2014 mobile app to plan their schedule in advance, view speaker and exhibit information, interact via social media, connect with attendees, and more.

- [View the top five recommendations, as voted on by the Primary Section Delegates](#)
- [View the PowerPoint presentations from SC2014 sessions](#)
- [View photos from SC2014 on Shutterfly](#)
- [Visit the SC2014 event showcase on IEEE.tv, including the highlights video, opening and closing ceremonies, and session recordings](#)

IEEE Dues Change for e-Membership

The e-Membership program started as a pilot in 2011. The intent of the pilot was to test the impact of substantially reduced dues on membership recruitment and retention in countries where the per capita gross domestic product is US$15,000 or less. Data has shown that there was no significant increase on recruitment or retention during this period.

Thus, a dues increase is necessary to make the program economically sustainable. The MGA Board approved an increase in dues for the e-Membership option this past June. Dues for e-Membership, beginning with the 2015 membership year, will be US$75, an increase of US$23.

Members choosing the e-Membership option will continue to have all of the advantages

of standard IEEE membership. These include the ability to:

- vote in IEEE elections;
- join Societies;
- engage in local activities;
- be considered for membership grade elevation to Senior member and Fellow;
- access member discounts and new offerings such as IEEE ResumeLab and IEEE MentorCentre.

In addition, e-Membership members will receive electronic, instead of printed, versions of the membership card, IEEE Spectrum, and The Institute.

IEEE will continue to look for ways to improve the value of membership worldwide and examine ways to make it more affordable to new and existing members who are most in need.

[E-mail Jamie Moesch, Senior Director, Member Experience, with questions about this change.](#)

IEEE Technology and Engineering Management Society Launches in January

In January 2015, IEEE will launch the [IEEE Technology and Engineering Management Society](#)(formerly the IEEE Technology Management Council) which enables technology professionals and managers to optimize their career opportunities and organizational effectiveness. This transition will allow for a greater sense of collaboration in conquering the job market, by enabling individual memberships and providing a more direct personal connection to the community than ever before.

During this transition all active council chapters will transition to active society

chapters. Additional communications will be sent regarding the transition of the chapters.

Click here to become a member of the Society.

Member Discounts: Back-to-School Deals on Computers

Section Officers can spread the word that members can take advantage of special deals going on right now for back-to-school shopping. Each of IEEE's hardware discount providers has its own promotions and offers worth looking into: Dell (with international programs), Lenovo (US), and HP (US). Compare pricing and save on laptops, PCs, tablets, workstations, electronics, accessories, and more.

Visit IEEE Technology Discounts for access to current hardware promotions.

IEEE Chapter Briefs – December 2014
(*as received on December 12, 2014*)

IEEE Technology and Engineering Management Society Chapters' transition

In January 2015, IEEE will launch the IEEE Technology and Engineering Management Society (TEM), formerly the IEEE Technology Management Council (TM). This action enables technology professionals and managers to optimize their career opportunities and organizational effectiveness. This transition will allow for a greater sense of collaboration in conquering the job market by enabling individual memberships and providing a more direct personal connection to the community than ever before.

All active Council Chapters will transition to active Society Chapters. On 1 January 2015, all active Council Chapters will be renamed as Society Chapters, e.g., New York Section Chapter, TM14 will be known as New York Section Chapter, TEM14. The existing Chapter chairs, or newly elected Chapter chairs, will have a grace period of one year to join TEM Society. During Q4 2014, MGA staff will monitor the Chapter chairs' TEM society membership and distribute reminder communications regarding the grace period.

E-mail MGA staff with questions.

IEEE Cloud Computing, Transportation Electrification Initiatives Transition in January

IEEE Cloud Computing and IEEE Transportation Electrification made major strides as initiatives under the leadership of the IEEE Future Directions Committee and supporting staff. During the past few years, the programs successfully developed into fully-operational technical communities and will transition out of IEEE Future Directions early next year. Membership is open to IEEE members and non-members for both communities.

In January 2015, the programs will officially make the following transitions.

IEEE Cloud Computing
The program will transition to the leadership of the IEEE Cloud Computing Steering Committee. This committee is comprised of representatives from multiple societies, councils, and organizational units under the leadership of the IEEE Computer Society.

For information on IEEE Cloud Computing, contact Kathy Grise, IEEE staff.

IEEE Transportation Electrification The program will transition to the IEEE Transportation Electrification Community (TEC), a collaboration of societies, councils, and organizational units led by a volunteer steering committee. Plans are currently

underway to include a second level of organizational unit affiliates that includes additional societies and councils, as well as the IEEE Standards Association and IEEE-USA.

For information on the IEEE Transportation Electrification Community, contact Bobby Wong, IEEE staff, or Mike Kelly, IEEE staff.

Call for nominations: IEEE Fellow Class of 2016: deadline 1 March

The nomination period for the 2016 Fellow Class is open and will continue through 1 March 2015.

Visit the Fellow Web page for nominee eligibility requirements, steps to becoming an IEEE Fellow, nomination instructions, and much more

IEEE Assembly announces 2015 corporate officers

The IEEE Assembly annually selects the following five Corporate Officers: IEEE Secretary, IEEE Treasurer, IEEE Vice President, Educational Activities, IEEE Vice President, Member and Geographic Activities, and IEEE Vice President, Publication Services and Products. All are one year terms.

Wai-Choong (Lawrence) Wong was selected as 2015 IEEE Vice President, Member and Geographic Activities.

Learn more about the selected corporate officers.

Introducing the IEEE Assistant Treasurer Program

IEEE Meetings, Conferences & Events (MCE) is pleased to announce the IEEE Assistant Treasurer Program, an optional no-fee service that provides increased MCE financial expertise, insight and support to IEEE conference organizers. The goal is to ease the burden of financial reporting on IEEE organizers and improve the overall financial health of the IEEE conference business.

For conferences choosing this service, the IEEE Conference Business Operations Team will assume a more proactive role in conference financial management. The Conference Treasurer still retains final authority and decision making responsibility, but would now have increased support resources.

Based on the needs of the conference, the assistant treasurer might serve in one or more of the following capacities:

- Budgeting – Assessing the market landscape to set appropriate registration rates, pinpointing major revenue/expense items, initial budget creation/updates and recommending best practices.
- Transaction Processing and Bookkeeping – Executing deposits/withdrawals from conference account upon approval, collecting/archiving all necessary documents to meet audit/tax reporting compliance, and recording transactions in NetSuite. (Ideal for organizers who want to outsource the day-to-day Treasury functions.)
- Price Recommendations – Calculating costs per attendee, scoping competing events, and ascertaining historical expenses.

For more information or to take advantage of the Assistant Treasurer program, please contact the MCE Business Operations Team.

This article is reprinted from the November 2014 issue of the IEEE Conference Organizers' Newsletter.

On IEEE-IEEMA INTELECT Event Ad on IEEE Section Page (and newsletters)

On Friday, September 5, 2014 9:31 AM, Sri Chandra <sri.chandra@ieee.org> wrote: (circulation repeated without attachment, but providing link as http://www.ii-intelect.org/)

Dear Section Chairs and Leaders:

Greetings from the IEEE.

IEEE signed an agreement with IEEMA (Indian Electrical and Electronics Manufacturing Association) earlier this year and one of the mega events that was agreed upon to execute between the two organization is called INTELECT (Intelligent Electricity) which includes an exhibition and a technical conference. The exhibition apart from having vendor booths introduces a new concept of "vendor agnostic pavilions" which showcases next generation technologies through live experiences. We are showcasing pavilions on Home/Builidng/Hospital automation, one on smart cities and one on rural electrification. In parallel there will be an international conference on IEEE Smart Electricity for Emerging Markets. The conference will also have an humanitarian track.

On the IEEE side, the Power Energy, Computer and Communication Society have come together to drive this event which will take place in Mumbai, Jan 22-24 2015. All the 3 society presidents will be in attendance at this event in Jan, including IEEE President and President-Elect, IEEE Executive Director and IEEE-SA Managing Director.

I have included the INTELECT Ad that I request you to add in your section and council webpages and also attached a brochure of this event for your reference. Please also include this Ad in your newsletter and if you can send this your section members through email that will be very helpful.

I would also like to request for an opportunity to meet you in person and discuss this event and support from our leadership. Thank you for your time and once again thanks for all the support you are giving to IEEE for making this program a success.

Please do let me know if you have any queries and I will be happy to address them.

Regards,
Sri

--
IEEE (Standards)
5th Floor, World Trade Center
#26/1 Dr. Rajkumar Road,
Bangalore 560055 INDIA

Report on IEEE PES Delhi Chapter Thomas Alva Edison Memorial Lecture Evolution of EMS Control Centers - Managing the Future Smart Grid PMU Synchrophasor Measurements at Control Centers

Dr. Jay Giri, Fellow, IEEE, PES DL
Alstom Grid
10865 Willows Rd NE, Redmond, WA 98052

The 2014 Thomas Alva Edison memorial lecture was delivered by Dr Jay Giri on 17th September 2014 at NLDC, POSOCO on the Evolution of EMS control centers; Managing the future grid. The lecture was attended by 46 people in person (18 IEEE members) and around 30 people from WRLDC, ERLDC and NRLDC by video conferencing. The event started with the welcome by Dr Mini S Thomas, past chair of the PES chapter followed by a short address by Mr V K Agrawal Executive Director, POSOCO.
Dr Jay Giri took the stage and conducted a two part tutorial from 10.45 am till 1.45pm, with the audience wanting more of his basic explanations and simple handling of very complex power system dynamics issues.

The topics covered include:

- The history and evolution of the EMS from its digital genesis in the 1970's.
  - o The primary functions of a modern EMS such as Generation management, Transmission management, SCADA, Training Simulator and Electricity Markets
- Emerging new industry drivers, technology trends
- Impact of growth of microgrids, renewables and distributed generation on the EMS
- Growth of Phasor Measurement Units (PMUs) and synchrophasor measurements worldwide
- Wide Area Monitoring (WAMS), Situational awareness tools
- The EMS for the future grid
  - o Integration of synchrophasor PMU data, Monitoring grid dynamics, Island detection and restoration tools, Big Data Analysis, Fast forensic analysis, Training for grid dynamics, Advanced visualization tools
  - o Providing grid operators with "actionable information" for prompt decision-making
  - o Practical examples of utilities where such advanced tools are deployed.
- Concluding thoughts on the challenges and opportunities to manage the future grid

The lecture was very well received by all present and was followed by a large number of questions from audience from across India. The event concluded with Dr. Mini Thomas thanking POSOCO for making all the arrangements for the event. POSOCO provided working lunch for the attendees.

Some pictures of IEEE day Celebration at MRIU, Faridabad on 09-Oct-2014

IEEE DELHI SECTION MEMBERSHIP STATISTICS AT A GLANCE

IEEE Delhi Section has as per **November 2014** statistics **4537 active Members** (*excluding Affiliates belonging to the Societies only)*, consisting of **2 Honorary Member, 5 Life Fellow, 7 Fellow, 20 Life Senior, 192 Senior Member, 4 Life Member, 1161 Member, 69 Associate Member, 469 Graduate Student Member, 2608 Student Member.**