



# **IEEE BOMBAY SECTION**

(awarded Best Large Section in R-10 2007)

ACTIVITIES IN 2008

## **IEEE AGM**

13 December 2008

Membership Dec 2007 : November 2008 Bombay & India Council

Dec-07		HG Total		StM		Grand Total	
Membership Status							
<b>INDIA</b>							
Active		9085	<b>39%</b>	14411	<b>61%</b>	23496	
<b>Bombay</b>							
Active		1721	<b>30%</b>	4017	<b>70%</b>	5738	<b>24%</b>
<b>MADRAS</b>							
Active		1810	<b>36%</b>	3257	<b>64%</b>	5067	<b>22%</b>
Nov-08		HG Total		StM		Grand Total	
Membership Status							
<b>INDIA</b>							
Active		10160	<b>39%</b>	15702	<b>61%</b>	25862	
<b>Bombay</b>							
Active		1874	<b>33%</b>	3751	<b>67%</b>	5625	<b>22%</b>
<b>MADRAS</b>							
Active		2073	<b>33%</b>	4255	<b>67%</b>	6328	<b>24%</b>

Bombay Section & MP & Pune Subsections 12/07 : 11/08

Dec-07

Bombay	Membership Status	HG Total		StM		Grand Total	
	Active	1721	<b>30%</b>	4017	<b>70%</b>	5738	
PUNE	Active	694	<b>54%</b>	595	<b>46%</b>	1289	<b>22%</b>
MP	Active	86	<b>74%</b>	30	<b>26%</b>	116	<b>2%</b>

Nov-08

Bombay	Membership Status	HG Total		StM		Grand Total	
	Active	1874	<b>33%</b>	3751	<b>67%</b>	5625	
PUNE	Active	547	<b>51%</b>	516	<b>49%</b>	1063	<b>19%</b>
MP	Active	105	<b>57%</b>	78	<b>43%</b>	183	<b>3%</b>

## Bombay : India Council : R-10 APAC : IEEE Global

% component

Nov-08

Membership Status	HG Total		StM		Grand Total			
IEEE global								
Active	322597	<b>86%</b>	52261	<b>14%</b>	374858	Loc:IEEE	HG:IEEE	St:IEEE
Region 10 APAC								
Active	50489	<b>72%</b>	20046	<b>28%</b>	70535	<b>19%</b>	<b>16%</b>	<b>38%</b>
INDIA								
Active	10160	<b>39%</b>	15702	<b>61%</b>	25862	<b>7%</b>	<b>3%</b>	<b>30%</b>
Bombay								
Active	1874	<b>33%</b>	3751	<b>67%</b>	5625	<b>2%</b>	<b>1%</b>	<b>7%</b>
MADRAS								
Active	2073	<b>33%</b>	4255	<b>67%</b>	6328	<b>2%</b>	<b>1%</b>	<b>8%</b>



Bombay Section  
at R-10 meet in  
Gandhinagar 2-3  
Feb 2008

# Section Technical Activities

## SUMMARY AS ON 13 DEC (AGM)

• AP/ED	12	
• COMSOC	8	
• COMPSOC	1	
• TMC (EMS)	1	
• SMC	3	
• PES	3	incl Rural workshops
• Instr & Meas.	1	
• Affinity Groups		
– WIE	6	
– Life Members	2	
PUNE	1	
JOINT/Sec CoSpn	2	
<b>TOTAL</b>	<b>39</b>	

## AP/ED

January 4, 2008

“Challenges in Advanced Technologies & Enablement” Dr. David Hareme at IIT Bombay

January 9, 2008

"Advanced Logic and Memory Technologies with New Materials and Structures" - Prof. Hiroshi Iwai, Tokyo Institute of Technology, Japan at IIT Bombay

January 11, 2008

"Past and future half-centuries for semiconductor device development" Prof. Hiroshi Iwai, Tokyo Institute of Technology, Japan at IIT Bombay

## WIE

January 14, 2008

Seminar on ISDN & its applications, PUNE

Mr.S.K.Saha

# COMSOC

January 18, 2008

"WiMAX– A Key Wireless Broadband Technology"

Dr. Suresh Borkar, Department of ECE, Illinois Institute of  
Technology, Chicago, USA

BSNL Complex Mumbai

January 29, 2008

"Spoken Term Detection: An Old Problem with A New Twist"

Zak Shafran, OGI School of Science & Engineering, at  
OHSU Portland, USA

At IIT Bombay

## **SMC**

January 31, 2008

"Recent Development in Generalization Error for Supervised Learning Problem with Applications in Model Selection and Feature Selection" - Prof Daniel S Yeung, President IEEE Systems, Man and Cybernetics Society, President of Machine Learning and Cybernetics Research Institute, Hong Kong.  
at IIT Bombay

## **Life Members**

February 7, 2008

Meeting with Dr Richard Gowen, President of IEEE Foundation & History Centre & Past President IEEE

February 10, 2008

Meeting with Mr Graeme Gwilliam Region 10 Coordinator, Life Members Affinity Group



**Left** : Mr Graeme Gwiliam  
Life Members Affinity Group



**Right** : Dr Richard Gowen  
IEEE Foundation

## WIE

February 12, 2008

Training workshop on Tech.paper writing & reaserch methodology -  
Dr. Aditya S.Abhayankar, Dr.S.Tanawade & Dr.Brahmankar, PUNE

February 13, 2008

Training workshop on Tech.paper writing & reaserch methodology -  
Dr. Mrs.A.S. Warke, Dr.Londhe & Dr. Mrs.M.A.Joshi, PUNE

February 14, 2008

“Future trends in Automobile technology Dr.S.N.Sapali  
“War between Microsoft & Google” Mr.Wahaj, PUNE



IEEE Bombay Section Launches the First JOB FAIR... 23rd Feb 2008  
Jointly IEEE Bombay Chapter of **Technology Mgmt Council** & Bombay Section

## **SMC**

February 29, 2008

1. Relevance of IEEE to the Upstream Hydrocarbon Industry

Mr Krishna K. Goyal

2. A journey towards, mathematics in music and beauty in engineering.

Mr. Mayank Pande

## **IEEE Bombay Section co-sponsor & PES/IAS**

March 6-8, 2008 IEEE Conference of AI Tools in Engineering

March 6 Tutorial on AI tools Speaker: Dr. Girish Palshikar & Dr. Parag Kulkarni

March 7 Conference

Expert lecture Dr.Sunil Vadhera Dr Vijay Bhatkar FIEEE

Tutorial – “Trends in automobile steering systems with advances in electrical actuators & control” - Dr Tomy Sebastian

## **PUNE**

March 10, 2008

“A Case study in Research Methods: Sensor Validation Using Bayesian Networks”  
by Dr. Sunil Vadera

## AP/ED

April 16 2008

1 "About NEMS/MEMS WORKS LLC"

2 "Nanoscale Self Assembly and Its Applications in Sensing, Memory Devices and Energy Generation" - Prof. Shubhra Gangopadhyay & Prof. Keshab Gangopadhyay, University of Missouri- Columbia

At IIT Bombay

April 21 2008

"Characterization for Advanced Semiconductor Technologies"

Dr. Subhash Kulkarni, IBM New York

At IIT Bombay

April 24, 2008

"Exploring Nanostructures for applications in various domains"

Dr. Sangeeta Narendra Kale, Dept of Electronics-Science Fergusson College, Pune

At IIT Bombay

April 28 2008

"MEMS based biosensors and polymer actuators"

Dr. Sheetal Patil, Research Faculty Dept. of Mechanical Engg., University of Maryland USA (currently with the Centre for Excellence in Nanoelectronics, IIT-B)

At IIT Bombay

## **COMSOC**

May 17, 2008

"40th WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY" Keynote address on ITU Theme "Connecting Persons with Disabilities: ICT Opportunities for All" - Prof (Ms) A. N. Cheeran, VJTI  
At Central Railway Auditorium Mumbai  
Jointly with Communications Society Chapter, IETE Mumbai Centre, IRSTE Mumbai Chapter, IET Mumbai Network, BESI Mumbai Chapter

## **CompSoc & Bombay Section**

May 28, 2008

IEEE Focus on India

President of IEEE Computer Society Dr Rangachar Kasturi, Angela Burgess CompSoc Exec Director and Team. Meeting with Industry and Reception at Renaissance  
Part of All India tour

## **COMSOC**

June 10, 2008

"Trends in Telecommunications industry"

Celia Desmond, President of World Class – Telecommunications

At Conf Hall, Telephone House, MTNL, Dadar (W)

Jointly with Communications Society Chapter and IETE Mumbai Centre

## **IEEE Bombay Section**

July 1 – 6, 2008

"Workshop on Linux System Administration and Networking + Build Own Linux" At Sardar Patel Institute of Technology, Andheri  
Jointly with Sardar Patel Institute of Technology

## **WIE**

July 9-12, 2008

"Embedded system - RTOS programming- RTLINUX" - Mrs. Vidya  
At Pune

## **SMC**

July 17, 2008

"Overview of Cybernetics and Systems Science" Mr Mayank Pande  
"Possible applications of robotics in biology and medicine" Dr.Alice Cheeran

## **AP/ED**

August 25, 2008

"Spin Polarized Transport & Novel Phenomena in Manganite Nanostructures"  
Dr Indranil Das of SINP, Kolkata  
At IIT Bombay

## IEEE Bombay Section

September 19, 2008

"IEEE: Innovation through Research"  
First Nationwide IEEE User Education  
Programme in India by  
INDEST-MHRD Consortium, GIST  
Held at IIT Bombay

## PES

September 20, 2008

Tutorial on gas insulated technology GIS GIL  
Speaker: Dr Hermann Koch

## WIE

September 26, 2008

IEEE in Rural Area  
Workshop Otur, Pune

**Right** : Distinguished Guests at  
Exhibition at WIE Otur Workshop



## AP/ED

September 29, 2008

"A Case study of Basic Research and Core Technology"

Prof Robert Gallager. Professor Emeritus, MIT, USA.

At IIT Bombay

October 1, 2008

"Recent advances in Information Theory-Gaussian channels  
with ideal feedback"

Prof Robert Gallager. Professor Emeritus, MIT, USA.

At IIT Bombay

October 2, 2008

"Electrostatic Protection for Semiconductor Electronics"

Charvaka Duvvury, Texas Instruments

## COMSOC

October 16, 2008

"Positioning in Wireless Networks and Monitoring Water Supply Distribution Systems using Wireless Sensor Networks"

Dr. Seshan Srirangarajan, Research Fellow, Intelligent Systems Center, Nanyang Technological University, Singapore

At IIT Bombay

October 23, 2008

"New Opportunities in the Digital World"

Rajesh Jain, Managing Director of Netcore Solutions Pvt Ltd, Mumbai

SNDT Mini Auditorium, Juhu Campus, Santacruz( West), Mumbai

Jointly with Communications Society Chapter and IETE Mumbai Centre

November 7, 2008

"Wireless in next generation networks"

Dr. Madhusudan V.Pitke FIEEE, Past Chair of IEEE Communications Society Chapter  
ONGC , Bandra-Sion Link Road, Mumbai 400017

Jointly with Systems, Man & Cybernetics Society Chapter

## AP/ED

November 11, 2008

"Low-frequency noise in advanced CMOS devices"

Prof. Felice Crupi, University of Calabria, Rende, Italy

At IIT Powai

## Inst & Measurement Society Chapter

November 20-21, 2008

"Workshop on Embedded Systems Design using PIC Microcontroller"

At Pune"

## COMSOC

December 8, 2008

"MANET & Sensor Network Architectures"

Dr Dhadesugoor R Vaman, PVAM University, Texas, USA

Held at Agnel Technical Education Complex Sector 9A, Vashi

Jointly with ComSoc Chapter and IETE