

IEEE BOMBAY SECTION CALENDAR OF MAIN EVENTS - 2005

A summary of main events and technical presentations organised by the Section.

JANUARY 2005

1. January 9, 2005
Reception for W Cleon Anderson, IEEE President at WIAA Club Mumbai
2. January 13, 2005
GH Raison College of Engineering Nagpur organised a one-day workshop on ORCAD
3. January 17, 2005
Dr. Amol Joshi, Spansion LLC, Sunnyvale, California, USA, gave talk on “High Performance of CMOS for 3D ICs with Metal Induced Crystallization of Amorphous Silicon”. In IIT, Bombay
4. January 25, 2005
Prof. D. Mukhopadhyay, Jadavpur University, presented seminar on “Monte-Carlo Simulation of Electron Transport in Elemental and Compound Semiconductors” in IIT, Bombay
5. January 22, 2005
One Day Workshop on” WIRELESS TECHNOLOGY” was organised at P.V.G College of Engineering and Technology, Pune organised by IEEE, Pune Sub -Section and IETE Pune Section.

FEBRUARY 2005

Following lectures were conducted in IIT, Bombay

6. February 3, 2005
Mr. Aatish Kumar, Philips, Eindhoven, Talk on A New Cell-Based Performance Metric for Novel CMOS Device Architectures.
7. February 14, 2005
Prof. Vikram Dalal, Iowa State University, IEEE EDS Distinguished Lecturer, presented a seminar on “The Photovoltaics Challenge: Role of Thin Film Si”
8. February 15, 2005
Prof. Yong Cho, Konkuk University, Korea, Talk on “SoC Applications: HW/SW Co-Design of MPEG-4 Video Decoder on Excalibur chip and FPGA Implementation of RTE-LDPC Encoder/Decoder”.

9. February 24, 2005
Dr. Raj Mitra, Professor of Electrical Engineering, The Pennsylvania State University, Talk on "Some Techniques for performance Enhancement of Microstrip Patch Antennas Using Metamaterials as Substrates and Superstrates".

MARCH 2005

10. March 10-11, 2005
IT – The Change Agent, **2 day Seminar** organized by Bombay Chapter of IEEE Engineering Management Society at Hotel Taj President

Following lectures were conducted in IIT, Bombay.

11. March 03, 2005
Dr. Rustom Bhiladvala, The Pennsylvania State University Talk on “Nonlinear and fluid results for experiments with nano-oscillators”.
12. March 4, 2005
S. G. Mhaisalkar, School of Materials Science & Engineering, Nanyang Technological University, Talk on “A New Understanding of Electromigration Induced Void Nucleation, Growth, and Movement in Cu Interconnects” on
13. March 4, 2005
Prof. P. K. Basu, Institute of Radio Physics and Electronics, University of Calcutta, Talk on “Electron transport in Si and its quantum heterostructures”,
14. March 23, 2005
Prof. Rajendra Singh, Clemson University, Talk on “Manufacturing of nanosystems and microsystems: challenges and opportunities”.

JUNE 2005

15. June 6 & June 16, 2005
Talks by COMSOC distinguished lecturers, Dr K K Ramakrishnan and Dr Arun Somani (Grooming & Survivability in Optical Networks)
16. June 24, 2005
Lecture by Mr. Steven Teleki, Director Software Development, Webify Solutions Inc. was organised at TCS Gateway Park. Mr. Teleki earlier served as Past Chairman of the IEEE Computer Society, Austin Chapter, Texas, USA.

Following lectures were conducted in IIT, Bombay.

17. June 1, 2005
Dr. Vinayak Tilak, GE Global Research, Niskayuna, NY, Talk on “Fabrication and Characterization of GaN Transistors and Schottky diodes”

18. June 2, 2005
Dr. Sayanu Pamidighantam, BEL, Talk on “RF-MEMS”
19. June 7, 2005.
Dr. Tamalika Banerjee, MESA+ Institute for Nanotechnology, University of Twente The Netherlands, Talk on “Semiconductor/Ferromagnet hybrid devices for Spintronics”
20. August 21-22, 2005
IEEE All India Students Congress held at PICT, Pune

OCTOBER 2005

21. October 10-21, 2005
Co-sponsorship of Workshop on Wireless Technologies was organised by IEEE Communications Society for South Asian Countries at IIT, Pune. Key Speaker – Dr Sandro Radicella and Dickson Omingo. In addition to Indian speakers and participants, the delegates from Italy, Denmark, China, Nepal, Bangladesh, Pakistan, Srilanka, and Maldives participated in the workshop.
22. October 19, 2005
IEEE AP/ ED Chapter organized screening of the EDS DVD "50 years in 50 minutes" on. In IIT, Bombay

DECEMBER 2005

23. Dec. 12, 2005
Prof. Mohan M. Trivedi, University of California at San Diego “Looking in and Looking out of an Automobile: Computer Vision for Safer Driving” at IIT Bombay
24. Dec 19-21, 2005
Forthcoming National Level Conference on”Microelectronics and VLSI”at IIT, Bombay, is cosponsored by Section.