

IEEE AP-MTT Chapter

International Events/Seminar/Tutorial/Meeting 2010

- April 10, 2010
One day Tutorial on “Computational Electromagnetics”,
Prof. Pradip K. Saha, *University of Calcutta, India*



- April 13, 2010
“Experience in working with Large Antennas for Deep Space Application”,
Mr. Chandrakanta Kumar, *ISRO Bangalore, India*



- May 31 - June 4, 2010
A Weeklong Workshop “Indian Antenna Week (IAW)”, Mayfair, Puri

Report on 2010 Indian Antenna Week (IAW 2010)

The First meeting of Indian Antenna Week (IAW), a workshop on Advanced Antenna Technology was held at Mayfair Beach Resort, Puri, India during May31-June 4, 2010. This was organized by

the IEEE AP-MTT Calcutta Chapter in association with the Institute of Radio Physics and Electronics, University of Calcutta (under UGC-NRCPS).

This weeklong residential workshop was planned to introduce the young antenna researchers/scientists of the country with the advanced state of the art technologies. This was technically and financially supported by IEEE AP Society. IAW 2010 was attended by about 55 delegates (Figure 1), out of which about 40 participants were below 35. IEEE AP-S President Prof. Robert D. Nevels chaired the inaugural session on the first day of the workshop (Figure 2) and was present for the whole workshop. Prof. Nevels also delivered a Keynote Address on Nano-Antennas. Two plenary talks focused on the survey of antennas and UWB Systems were delivered by Prof. Tapan K. Sarkar of Syracuse University and Prof. Magdalena Salazar-Palma of University Carlos III De Madrid, respectively. The keynote and plenary speakers were welcomed with special gifts by Antenna Week Chair Prof. Debatosh Guha of University of Calcutta (Figure 3). The whole technical hours were planned with a nice blend of tutorials, invited talks, industrial sessions and contributory sessions. The whole program was planned and coordinated by Prof. Pradip K. Saha of University of Calcutta. Senior Antenna scientist from Indian Space (ISRO) and Defense (DRDO) have actively participated and encouraged the young participants.

The participants also enjoyed a half day tour to the world famous Sun Temple of Konark (<http://konark.nic.in>) located about 35 km away from Puri (Figure 4).

Apart from IEEE AP-S and UGC-NRC of University of Calcutta, the conference was financially supported by Indian Space Research Organization (ISRO), Defense Research and Development Organization (DRDO), Office of Naval Research Global (ONRG), Heritage Institute of Technology-Kolkata, CST and FEKO.





- September 23, 2010
“Monolithic Microwave Integrated Circuits: Design and Interconnects”,
Mr. Arijit Majumder, SAMEER Kolkata, India



- November 22, 2010, One day Seminar under DLP:
Morning Session: “UWB Antennas and Channel Characteristics”, Prof. Werner Wiesbeck
Afternoon Session: “3D Wave-Propagation Modeling for Mobile Communications”,
Prof. Werner Wiesbeck, Institut für Höchstfrequenztechnik und Elektronik, Germany

Seminar under D L Program

A One day Seminar on “Ultra wideband Antennas & High Speed Mobile Communication and Some Related Aspects” was organized very recently on November 22, 2010 under IEEE AP-S Distinguished Lecturer Program by IEEE AP-MTT Calcutta Chapter. Prof. Werner Wiesbeck, *Institut für Höchstfrequenztechnik und Elektronik, Germany* delivered two lectures each of one and half hour duration. In prelaunch session, he talked on “*Ultra wideband Antennas*” and in post-lunch session, on “*High Speed Mobile Communication and Some Related Aspects*”. In both the lectures, he

addressed state of the art technologies and challenges related to ultra-wideband modern communication systems and those were highly appreciated by the audience. More than 100 young researchers and students were present. Heritage Institute of Technology, Kolkata sponsored the venue and food. In the welcome session, Dr. Wiesbeck described the significance of IEEE Distinguished Lecturer Program and inspired the young participants to join IEEE. Also, four IEEE volunteers (Mr. Chinmoy Saha, Mr S. Sankarlingam, Mr. Sujoy Biswas and Mr. Sudhakar Sahu) of the local chapter were felicitated by certificate and token gift for their outstanding contributions to successfully organizing Applied Electromagnetics Conference AEMC 2009 and Indian Antenna Week 2010.



- December 3, 2010, Young Scientist Colloquium:
“Wraparound Microstrip Antenna Array for Terrestrial Communications”,
Dr. Samik Chakraborty, *MEERI Kolkata, India*
“Split Ring Resonator of Different Geometrical Shapes for Metamaterial Design”,
Mr. Chinmoy Saha, *HIT Kolkata, India*