

IEEE CALCOM 2011

Brief Report

On

One-Day Education Program

Theme: Advances on Mobile Computing & Bluetooth Communication

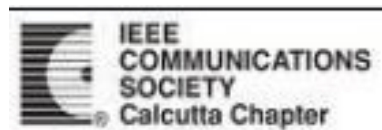
Date : 26 March 2011 (Saturday)

Venue: Narula Institute Of Technology
Agarpara , Kolkata 109

Jointly Organized by:



NARULA INSTITUTE OF TECHNOLOGY



PREAMBLE

The Executive Committee of the IEEE Calcutta Chapters ComSoc and Narula Institute of Technology had decided to organize an One-Day Educational Program in 2011 in keeping with the goals and missions of the IEEE as well as JIS group.. The program was then finalized as IEEE CALCOM 2011 with proposed date as March 26, 2011 to be held at Narula Institute Of Technology Agarpara , Kolkata 109.The invited expert Speakers were from IBM, WIPRO and NIT to talk on emerging fields of Communication Systems specifically **Mobile Computing & Bluetooth Communication**.

PROGRAM SCHEDULE:

Inauguration : 10.30 am – 10.45 am		
Tea: 10.45 am – 11 am		
Time / Session	Topic	Speaker
11 am – 12.30 pm Tutorial	Tutorial on “MOBILE COMPUTING”	Mr. Sunirban Ghosh IBM, Kolkata
12.30pm – 1:15pm Poster Presentation	Theme : Mobile Computing and Blue tooth communication	Participants: Students, J.I.S group of Institutions
Lunch: 1:15 pm – 2.30 pm		
2.30 pm - 4 pm Students Professional Awareness Conference (SPAC)	Bluetooth Communication for the Automotive Infotainment World	Mr.Pinaki Sengupta and Mr. Anirban Roy Wipro Ltd., Kolkata
Tea: 4 pm – 4.15 pm		
4.15 pm – 4.45 pm	Future Trends in Networking & Research Issues	Dr. Swarup Mandal Wipro Ltd., Kolkata
4:45pm – 5:15pm	Application of Wireless Networking in Distributed SCADA System	Prof. Joyanta Kumar Roy Dean (Research) Narula Institute of Technology, Kolkata
5:15pm	Vote of Thanks, Certificate Distribution	

INAUGURAL SESSION:

The inaugural session of the IEEE CALCOM 2011 was Chaired by the invited Chief Guest Sardar Jodh Singh ,Chairman,JIS Group, Prof(Dr) Asit Guha Director JIS Group,Mr.U.S Mukherjee Dy.Director JIS Group, Prof(Dr.) S.K. Chakravarty, Principal NIT and Dr.Swarup Mandal, Wipro Ltd. Kolkata as well as Chair, ComSoc Chapter.



From L – R : Prof.S.K. Chakravarty, Dr.Swarup Mandal, Prof(Dr) Asit Guha, Sardar Jodh Singh, Mr.U.S Mukherjee



From L – R : Mr.U.S Mukherjee, Sardar Jodh Singh, Prof.S.K. Chakravarty, Prof. J.K.Roy, Prof.M.R.Kanjilal

LECTURE SESSION:

The lecture session was divided into four sessions among the five eminent speakers Mr. Sunirban Ghosh, IBM, Kolkata. Mr. Pinaki Sengupta and Mr. Anirban Roy, Wipro Ltd. Kolkata Dr.Swarup Mandal, Wipro Ltd. Kolkata, Prof(Dr)J.K.Roy, Dean (Research),Narula Institute of Technology, which were chaired by Prof(Dr.) S.K. Chakravarty, Principal NIT, Prof.(Dr)M.R.Kanjilal, Prof(Dr.) A K Mallik, Prof. Sangeeta Mangesh.



Prof(Dr.) S.K. Chakravarty, Principal NIT



Speaker: Pinaki Sengupta, Wipro Ltd. Kolkata

In between session 1 and session 2 , a poster competition was organised by ECE department of NIT . Two first positions were declared , one by the NIT which was for students and the other by IEEE CALCOM , which was given among the faculty members who had submitted posters.



Dr Swarup Mondal with students securing first position



Mrs Sandhya Pattanayak and Dr Swarup Mondal



After lecture session all eminent were facilitates by Mememtos





Prof. A K Mallik and Dr Swarup Mandal

PARTICIPATION PROFILE:

Students and faculty of different colleges actively participated in the workshop. About 170 students and faculty from colleges like Jadavpur University, WBUT University, Narula Institute of Technology, GNIT, ABACUS Institute of Engineering and Management, Greater Kolkata College of Engineering and Management, Seacom Engineering College. The registration fee for participating in the program was Rs100/- for faculty /research scholars and Rs 50/- for students.

Speakers:Mr. Pinaki Sengupta and Anirban Roy:

Topic: Students Professional Awareness Conference (SPAC)- Theme:"Bluetooth Communication for the automotive infotainment world"

Mr. Pinaki Sengupta

Mr. Pinaki Sengupta is working with Wipro Technologies (Automotive Electronics – Embedded Systems Group), as Module Leader. A Computer Science Engineer by education, Pinaki is also a member of IEEE – ComSoc and Bluetooth SIG®. Mr. Pinaki Sengupta has worked on various engineering capacities for product development for different automotive OEMs. Pinaki has also been an associate member of the Confederation of Indian Industry (CII) – Eastern Region, and a contributor of various technical publications on Embedded Systems with the Society of Automotive Engineers (SAE), Institution of Engineers (India) and Jadavpur University.

Mr. Anirban Roy :

Anirban is working with Wipro Technologies (Automotive Electronics – Embedded Systems Group), as Project Engineer. An Electronics & Communication Engineer by education, Anirban is a member of the Bluetooth SIG®. Anirban has been working on software modeling for BT for leading European automotive OEMs, for the past several years, and credits IEEE SPAC on emerging trends in Bluetooth technologies.

Mr Pinaki Sengupta and Mr Anirban Roy gave a spectacular presentation on Bluetooth communication and its various technical aspects

Speakers: Mr. SUNIRBAN GHOSH :

Mr Sunirban is currently working at IBM Private Ltd. from 2009 to till date. He completed M.Tech from Jadavpur University in School of Mobile Computing and communication in year 2009 and has done his Bachelor of Technology (B.Tech.)-Information technology (IT) from “West Bengal University of Technology”, in 2005 . Mr. Sunirban worked in the areas of “Resource Reservation Protocol in Optical Network” and Energy Efficient Algorithm in the Sensor Network. Modified “Low Energy Adaptive Clustering Hierarchy” (LEACH)Protocol

Topic: “Tutorial on mobile computing”

Mr Sunirban presented a very informative lecture on the fundamentals of Mobile computing like cellular network organisation, frequency reuse, TDMA design consideration, architecture of GSM system, GSM speech processing, GSM security and authentication.

Speakers: Dr. Swarup Mandal :

Topic: “Future trends in Networking and Research issues”

Dr Swarup Mandal is the Chairman of IEEE Communication Society Calcutta Chapter Region 10. He is working presently as the Delivery head at Wipro Technologies. He has also worked as a Faculty at the XLRI School Of Management, Accounts Manager at Wipro and as Project Manager at the IBM Global Services. He was MIS scholar of the Indian Institute of Management, Calcutta and obtained his PhD (FPM), from same institute. He has done his engineering (B.E) from Jadavpur University in the year 1986-1990.

Dr Swarup Mandal gave a lecture on the future of the networking and the research. He discussed on the current trend of areas of reseach in wireless domain and networking and issues like the interoperability of the various networks

Speakers: Dr.(Prof) J K Roy :

Topic: “Application of Wireless Networking in Distributed SCADA System”

Prof Dr Joyanta Kumar was Ex- principal Dumkal Institute of Engineering and Technology and now working as Dean (Research) of Narula Institute of Engineering and Technology, Kolkata. He deeds his Masters in Physics in the year 1978 from Calcutta University. He started his carrier as entrepreneur and as well as research worker in the field of electronics and instrumentation. He has established an electronic project based industry from the scrap as a family business and executed number of challenging technology projects, indigenized number of import substitutes.

He was awarded PhD (Technology) degree in Applied Physics in the year 2005 from Calcutta University. He was research fellow of Indian Council of Medical Research and contributed significantly in the field of Biomedical Engineering. In his research work he himself fabricated all of his equipment used in study and contributed significantly in the process control and instrumentation engineering. Professor Joyanta Kumar Roy is senior member of IEEE circuit and Systems, IEEE Instrumentation Society, IEEE Communication engineering society. He is life fellow member of Indian water works association and Forum of Scientist engineers and Technologist India. Prof. Joyanta Kumar Roy received Shiksha Bharati Puraskar from All India Achievers Foundation and also received LIFE TIME ACHIEVEMENT AWARD FOR EDUCATION EXCELLENCE WITH GOLD MEDAL from INTERNATIONAL ACHIEVERS CONFERENCE, NEW DELHI

In the lecture session, Prof. Joyanta Kumar Roy described implementation of point to point and point to multipoint Adhoc smart radio network for distributed SCADA system spreaded over 340 square Km. He described probelems and solutions of the project faced during installation and commissioning. He also demonstared real time on line display of status of different plant and process paramters through world wide web.





THANKS GIVING:

The Concluding session had been conducted by the Prof (Dr.) M.R.Kanjilal, convenor of IEEE CALCOM 2011. On "Thanksgiving" note, she expressed his sincere thanks to the expert Speakers and the participants with special encouragement to the students. She also thanked the faculty and staff members of ECE department for their selfless contribution. The Session concluded at 6.00 pm



Top From L – R : Mrs Damayanti Ghosh, Mrs Sandhya Pattanayak, Mrs Dola Bhattacharjee Gupta, Mr Saradendu Panda, Mr Pinaki Sengupta, Mr Sunirban Ghosh.

Below From L-R : Prof. P Vankateshsaran, Mr Anilesh Dey, Prof Sangita Mangesh, Ms Swati Banerjee, Prof.(Dr) M.R Kanjilal, Prof(Dr) A.K Mallik, Prof(Dr).J.K.Roy, Dr.Swarup Mandal, Mr Sunirban Ghosh, Mr Pranab Hazra, Mr Soumen Pal
