

IEEE Taipei Section – R10 Newsletter, Dec. 2008

2008 IEEE Taipei Week

IEEE Taipei Section has always been dedicated to promoting the communication with the industries. To correspond with Cross-Strait Electronics Show, Taiwan Electrical and Electronics Manufacturers Association and IEEE Taipei Section hosted a series of workshops for “2008 IEEE Taipei Week” in the newly-built Taipei World Trade Center, Nangang Exhibition Hall.

Three workshops were held daily during Oct. 8-10, cohosted by IEEE MAG, SMC, and EMC Chapters sequentially. The topics were “Workshop on Magnetic Material Industry” hosted by Prof. Chang, Ching-Ray in Department of Physics, NTU, “Workshop on Systems, Man, and Cybernetics” hosted by IEEE SMC Chapter Chair Prof. Su, Shun-Feng in NTUST, and “Workshop on Electromagnetic Compatibility” hosted by IEEE EMC Chapter, Prof. Wu, Tzong-Lin in Department of Electrical Engineering, NTU. All workshops were successful. In total, this event invited 24



foreign and native scholars, including 8 IEEE fellows. Not only teachers and students attended the seminars, but also general public and government specialists were interested in these topics. It was an amazing and precious opportunity that all the related scholars and specialists could all gather at the event to have thoughtful

discussions and exchange of different ideas. Many attendees also visited the Electronics Show to witness the latest development in Taitronics, Broadband communications and RFID applications.

It is also worth mentioning that a beneficial program was held by the IEEE Taipei Section to encourage students to join IEEE. To facilitate the local students to join IEEE, Section staffs were on the spot to explain the web application process and collected the membership fee. In addition, joining the IEEE Taipei Section on the event days could get a NT 200 coupon. Around 20 members were recruited (including new and renewal members), and over 2000 leaflets were distributed, which is believed to fulfill the goal of publicity and recruitment.

2008 International Workshop on Electromagnetic Compatibility

The 2008 International Workshop on Electromagnetic Compatibility (EMC) was held on October 10th, 2008 at Taipei World Trade Center (TWTC) Nangang Exhibition Hall, Taipei, Taiwan. Sponsored by the IEEE Taipei Section, IEEE Taipei Chapter of EMC Society, and IEICE Taipei Section, the workshop was aimed to accelerate the momentum of researching in EMC area and provide a knowledge sharing platform for researchers from Asia-Pacific region as well as from other parts of the world. The participants came both from academia and industries in Taiwan. The number of attendees reached 108 with 59% from academia and 41% from industry, which marked a great success in bridging the academia and industry.

Three international scholars and seven experts from Taiwan were invited to give talks. The three scholars were Prof. Todd Hubing (Clemson Univ., USA), Prof. Hiroshi Inoue (Akita Univ., Japan), and Dr. Er-Ping Li (IHPC, Singapore). The topics of their talks were “Modeling the Maximum Radiated Emission from Printed Circuit Boards”, “Basic Study on Undesired EM Radiation and Suppression”, and “Modeling of Electrical Package Signal Integrity and Power Integrity”, respectively. Dr. Er-Ping Li’s talk was also the Distinguished Lecture activity on behalf of IEE EMC Society. The seven experts in Taiwan rendered topics about “signal integrity issues on PCB” by Dr. Shou-Kuo Hsu (Foxconn Corp.) and Prof. Chi-Wen Kuo, “ESD issues and protection circuit” by Prof. Ming-Dou Ker (NCTU), “EMI issues at power frequencies” by Prof. Chang-Fa Yang (NTUST), “Electromagnetic Bandgap Structure design” by Prof. Ray-Beam Huang(NCTU), and “EMI/RFI issues in wireless communication products” by Prof. Han-Nian Lin (FCU) and Dr. Daniel Lee (Sporten Inc.) The workshop remained highly interactive with many questions and comments among the participants and the speakers. The participants appreciated this one-day

workshop dedicated on EMC because it was an inspiring and insightful experience with both technical depth and breadth.

The Chairman, Prof. Tzong-Lin Wu, on behalf of the organizing committee, would like to thank all the attendees, especially Prof. Ruey-Beei Wu (Chair, IEEE Taipei Section) and Prof. Song-Tsuen Peng (Chair of Taipei EMC Chapter), for their kind support in every aspect, which made the workshop a wonderful and fruitful experience. Invited speakers and organizing committee members of 2008 International EMC Workshop.

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