



IEEE

THE IEEE REGION TEN NEWSLETTER

March 2008

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IEEE Taipei Section

EDAPS 2007: International Workshop on Electrical Design of Advanced Packaging and Systems

The 2007 EDAPS, an International Workshop on Electrical Design of Advanced Packaging and Systems, was held at National Taiwan University, Taipei, Taiwan from Dec. 15th to 18th, 2007. It was hosted by the Department of Electrical Engineering, Graduate Institute of Communication Engineering, and Center of Information and Electronics Technology, National Taiwan University. The IEEE Taipei Section, together with CPMT Taipei Chapter, co-sponsored this event and the Chairman of IEEE Taipei Section (<http://www.ieee.org.tw>), Prof. Ruey-Beei Wu, served as the general Chair. The participants came from Canada, Hong Kong, Italy, Japan, Korea, Singapore, Taiwan, and the US (in alphabetical order). The number of attendees reached 271, including 27 invited speakers, which is a new record for EDAPS. Among the attendees, 49% are from academia and 51% from industry, which marks a great success in bridging the academia and industry together.

The workshop started with three tutorials on Signal Integrity, Power Integrity, and SiP Design, given by Mr. Moises Cases (IBM, USA), Prof. Madhavan Swaminathan (Georgia Tech, USA), and Prof. Joungho Kim (KAIST, Korea), respectively. On the second and third day, there were three featured keynotes, one luncheon talk, and twenty-three invited talks. The three talks were: "Global Paradigms, Models & Challenges" by Prof. Rao R. Tummala (Georgia Tech, USA), "3D Package Technology Integration" by Dr. Ho-Ming Tang (ASE Group, Taiwan), and "Meeting the Design Challenges Associate with SiP and IC/Package/PCB Co-Design" by Dr. Zoltan Cendes (Ansoft, USA). The invited talks covered the hottest topics including chip/system level design, electromagnetic simulation, electro-thermal analysis, integrated passive devices, as well as efficient yet accurate modeling techniques.

For more details, please visit the web site:
<http://edaps2007.ntu.edu.tw>



Invited speakers and participants with the General Chair of 2007 EDAPS, Prof. Ruey-Beei Wu (first line, the second one from the left) on Dec. 15, 2007.

IEEE 802 Wireless Interim Meeting

The first IEEE 802.11/802.15 joint meeting in 2008 was held in Howard Plaza hotel, Taipei, Taiwan, from January 13 to January 18. The IEEE 802 is an international standard organization which has defined many popular

communication standards, like 802.11a/b/g Wireless Local Area Network (WLAN), 802.15.1 Bluetooth Wireless Personal Area Network (WPAN) to be used in people's daily life, and 802.15.4 Low-Rate WPAN for home automation and wireless sensor network. The IEEE 802 standard meetings are held six times per year, with most meetings located in the United States. Hence, it was our great honor to have 2008's first meeting in Taipei. The IEEE Taipei section is the co-sponsor for the 2008/01 Taipei IEEE 802.11/802.15 joint meeting, while the MediaTek from Taiwan is the Platinum Sponsor for this meeting. The section was asked to step in at a late stage to help out solving the visa problems regarding to participants with Chinese nationality.

The number of attendance was 360 for the Taipei meeting, which was low comparing to most IEEE 802 Interim meetings. There are three main reasons for such a low number: (1) It is an international trip for most attendees. (2) Taiwan's industry has many excellent medium-size technology companies, but we don't have many system-related companies to show interests in defining the future worldwide communication standards. (3) Taipei meeting has the highest registration fee in IEEE 802 meeting history, which is AUD\$1,000 (Australian Dollars, equivalent to 905 US Dollars) and is too pricy for many engineers or students. Also, the lodging in Howard Plaza is expensive as well (5830NT/night). Nevertheless, most attendees do feel Taipei has very delicious food and excellent transportation system. Not to say people are friendly and everything outside the hotel is very inexpensive. Many attendees expressed their interest of coming back in the future. Therefore, it is suggested to invite the local organizations, i.e., IEEE Taipei Section, to host or co-host such an important meeting next time, thereby taking full advantage of the local resources.



Delegates and speakers from 2008/01 IEEE 802.11/802.15 joint international communication standard meetings at Howard Plaza Hotel, Taipei, Taiwan.

APS 2007: Advanced Packaging Seminar 2007

Advanced Packaging Seminar 2007 (APS 2007) was held at I-Shou University on December 19, 2007. The APS 2007 was organized by IEEE CPMT Taipei Chapter, I-Shou University and Advanced Semiconductor Engineering Inc. and was sponsored by IEEE Taipei Section. Three distinguished lecturers were invited to give a talk by Dr. Shen-Li Fu, Chairman of IEEE CPMT Taipei Chapter. They are Prof. Madhavan Swaminathan from Georgia Institute of Technology, Dr. Alina Deutsch from IBM and Dr. Ho-Ming Tong from Advanced Semiconductor Engineering Inc. Prof. Madhavan Swaminathan presented RF SOP integration, Dr. Alina Deutsch gave practical considerations in the modeling and characterization of printed-circuit board wiring for multi-GHz operation and Dr. Ho-Ming Tong introduced design opportunities and challenges in IC packaging. There were more than 100 attendees, distributed from both academia and industry, participated in this event.



Prof. Madhavan Swaminathan, Dr. Shen-Li Fu, Dr. Alina Deutsch and Dr. Ho-Ming Tong at Advanced Packaging Seminar 2007



The invited speaker at the 12th Conference on Artificial Intelligence and Applications 2007.

Ruey-Beei Wu
Chair, IEEE Taipei Section

The 12th Conference on Artificial Intelligence and Applications, 2007

The 12th Conference on Artificial Intelligence and Applications was held at National Yun-Lin University of Technology on November 16 - 17, 2007. It was organized by Chinese Institute of Artificial Intelligence, Yun-Lin University of Technology, and was sponsored by IEEE Taipei Section. With the progress of technologies, it's a great step in the electronic field in the world. In the circumstance of drastic changes and overwhelming information, an individual or an organization of enterprise all need to make the best use of information technology. How to learn effectively, obtain useful information, and then assemble it into knowledge in order to develop tools and technology, which is helpful to human living, have been such an important subject. This conference, whose theme was going to be "Creative e-learning and intelligent u-living," was to carry on an academic and practical discussion about topics relevant to artificial intelligence in order to raise the level of research atmosphere of artificial intelligence and practical applications with an invitation of professionals and scholars from all walks of life. This conference included oral presentations, exhibitions, and invited speeches from experts and scholars. Attendees coming from overseas and Taiwan discussed many significant topics and the important trend of current artificial intelligence.

