

Sansen and Matsuzawa Visit National Taiwan University

Meeting and Seminars in April Organized by SSCS-Taipei Chapter

SSCS President Willy Sansen and AdCom member Akira Matsuzawa presented seminars at National Taiwan University and met with NTU President Prof. Si-Chen on 24 April, 2008.

At the meeting, which was cosponsored by NTU-Mediatek Wireless Laboratory and SSCS-Taipei and included NTU Prof. C. K. Wang, the Society's Region 10 Representative, everyone shared their views on the rapid growth of the IC design and foundry industries in Taiwan. All agreed that the IC design field has recently advanced both in industry and academia due to strong government support, high-quality engineering students and engineers, and good infrastructure. NTU in particular has recently made great contributions to ISSCC and has had a significant number of papers accepted for it. The group concurred that NTU can continue to play an important role in the IEEE Solid-State Circuits Society and its premier conference.

Seminars on the Future of Moore's Law and High Speed ADC's

In a lecture entitled "More Moore or More than Moore," Prof. Willy Sansen of K. U. Leuven termed the



From left: Prof. Akira Matsuzawa, Prof. Si-Chen Lee (NTU President), Prof. Willy Sansen, and Prof. Chong-Kuang (C.-K.) Wang, after their meeting on 24 April at National Taiwan University, Taipei, Taiwan.

continuing advancement of microelectronics technologies which has sustained Moore's Law "More Moore." On the other hand, he termed the emerging trend toward applications requiring the integration of sensor, power-scavenging devices and MEMS structures which are often implemented in conventional but cheaper technologies "More Than Moore." The design considerations and trade-offs for both were discussed and

illustrated in his talk.

In a second talk entitled "High speed ADCs: History and Future," Prof. Akira Matsuzawa of the Tokyo Institute of Technology reviewed and summarized the essence of circuit design and the conversion architecture of high speed ADC's. He also showed how IC designers can contribute to the progress of electric systems and products and discussed the technology direction of ADC's, particularly those related to low-voltage nano-scale CMOS technology.

The seminars attracted an audience of about 30 people, most of them NTU faculty and students. Prof. Sansen also attended the 2008 VLSI-DAT (Design, Automation, and Test) Symposium in Hsinchu, Taiwan on April 23-25, 2008, where he delivered a keynote speech entitled "Efficient Analog Signal processing in nm CMOS Technologies."



From left: Prof. Shen-Iuan Liu (SSCS-Taipei Chapter Chair), Prof. Akira Matsuzawa, Prof. Willy Sansen, and Prof. Chong-Kuang (C.-K.) Wang after seminars by Prof. Sansen and Prof. Matsuzawa at National Taiwan University, Taipei, Taiwan.

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