

2012 IEEE CASS Summer School Next Generation Wireless Communication Circuits and Systems

2012/08/14 (Tue)- 2012/08/17 (Fri)

http://socdsp.ee.nchu.edu.tw/2012_summer_school/index.html

**Auditorium 106, EE department,
National Chung Hsing University, Taichung, Taiwan**

Background :

This summer school program aims at providing a comprehensive coverage on the basics, the advanced design issues and the future trends of the next generation wireless communication systems. Both overview and in-depth analysis of the state-of-the-art research are addressed. In particular, transceiver designs and their circuit/chip implementations are emphasized.

Format :

7 lectures will be delivered by 7 distinguished experts in these fields. Each lecture is 3-hour long and addresses a specific design topic in wireless communication systems.

Registration: http://socdsp.ee.nchu.edu.tw/2012_summer_school/index.html

Registration fee includes lecture notes, lunch and coffee break. **Registration deadline : 2012/7/31**

Student : 1. IEEE or TICD student member - NT\$ 800 2. Group(≥ 5) - NT\$ 600/person 3. Others - NT\$ 1,000

4. The first 10 registered overseas students can receive US\$ 100 compensation

Faculty : 1. IEEE or TICD member - NT\$ 1,500 2. Others - NT\$ 1,800 Industry : NT\$ 3,000

Foreign participants please pay on site (1 US\$ \approx 30 NT\$)

Accommodation: Limited campus housing will be provided for student participants upon request.

Date	Time	Lecture / Topics and Speakers
8/14	09:00-12:10	1 <i>Algorithms and Architectures for MIMO Communications</i> Gerald E. Sobelman, University of Minnesota
8/14	13:00-16:10	2 <i>Next Generation Wireless Communication Systems</i> Yoshikazu Miyanaga, Hokkaido University
8/15	09:00-12:10	3 <i>Design and Implementation of Energy/Power Efficient Baseband Signal Processors</i> Hsi-Pin Ma, National Tsing Hua University
8/15	13:00-16:10	4 <i>Cooperative Spectrum Sensing Processor</i> Yuan-Hao Huang, National Tsing Hua University
8/16	09:00-12:10	5 <i>Gigabit Wireless Based on MIMO-OFDM for Digital Home</i> Pei-Yun Tsai, National Central University
8/16	13:00-16:10	6 <i>Low-Power and Area-Efficient Communication Techniques for Wirelessly Powered Implantable Applications</i> Muh-Tian Shiue, National Central University
8/17	09:00-12:10	7 <i>Frequency-Domain MIMO-OFDM Processor</i> Terng-Yin Hsu, National Chiao Tung University

Organizers:

IEEE Circuits & Systems Society (CASS), Taipei Chapter / Department of Electrical Engineering, National Chung Hsing University

IEEE Circuits & Systems Society (CASS), Tainan Chapter / Meng Yao Chip Center, National Chung Hsing University

Sponsors :

Advisory Office, Ministry of Education, Taiwan, R.O.C. / Taiwan IC Design Society

Contact : TEL : +886-4-22851549 ext 416 (Ms. Chia or Ms. Su)

e-mail: candychai@nchu.edu.tw