

# Call for Papers

## Signal Processing for Communications Symposium, ICNC 2013

San Diego, California, U. S. A., January 28-31, 2013

<http://www.conf-icnc.org/>

### Symposium Co-Chairs:

Chih-Peng Li  
Institute of Communications Engineering  
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### Scope:

The Signal Processing for Communications Symposium will focus on the topics related to the algorithmic, analytical, and implementation aspects within signal processing for communication systems. Of special interest are the design of new algorithms for communication systems, as well as performance analysis and implementation of communication modules and subsystems. To ensure complete coverage of the advances in signal processing technologies for current and future communication systems, the Signal Processing for Communications Symposium presents original contributions in, but not limited to, the following topical areas:

- Channel modeling, estimation and equalization
- Adaptive antennas
- Space-time coding and processing
- Signal detection and synchronization
- Transmitter and receiver techniques
- Cognitive radio and software defined radio
- Modulation, coding, and diversity techniques
- Ultra-wideband (UWB) communications
- MIMO and multi-antenna communications
- OFDM and multi-carrier systems
- CDMA, TDMA, FDMA, LTE
- Speech, image and video signal processing
- Communications test-bed development
- Localization and position techniques
- Signal processing techniques for cooperative networks
- Signal processing techniques for power-line communications
- Sequence design methods for transmission, security, etc.
- Advanced signal processing modules for smart grid

### Submission Guidelines:

Please follow the author instructions at <http://www.conf-icnc.org/2013/author.htm>

Direct paper submission web-link of this symposium can be found at <http://www.conf-icnc.org/2013/cfp.htm>

## Co-chair biographies:



**Chih-Peng Li** received his B.S. degree in Physics from National Tsing-Hua University, Hsin-Chu, Taiwan, in June 1989 and the Ph.D. degree in Electrical Engineering from Cornell University, NY, USA, in January 1998. From January 1998 to October 2000, he was a Member of Technical Staff with the Lucent Technologies. From October 2000 to January 2002, he was a Design Engineering and Manager for the Acer Mobile Networks. In 2002, he joined the faculty of the Institute of Communications Engineering, National Sun Yat-Sen University, as an assistant professor. He has been promoted to Professor in 2010. His current research interests include baseband signal processing and circuit design, OFDM, and data networks.

From August 2003 to July 2005, he has served as the member of the Communications Promotion Committee, Academia-Industry Consortium for Southern Taiwan Science Park. From August 2005 to October 2008, he has served as the Chief of the Division of Industry Collaboration, Office of Research Affairs, NSYSU. From October 2008 to July 2009, he has acted as the Division Chief of the Engineering Technology Research and Promotion Center, NSYSU. From August 2008 to September 2010, he has also served as the General Secretary of the Taiwan Institute of Electrical and Electronic Engineering. He has served as various chairs or co-chairs of 16 conferences. He has also served as the member of technical program committee for more than 35 conferences. He is currently the Associate Editor of the IEEE Transactions on Broadcasting, the Founding Chapter Chair of the IEEE Tainan Section Broadcasting Technology Society, and the Member of Editorial Board of the Far East Journal of Electronics and Communications. He is also the lead guest editor of the special issue on Advances in Antenna Design and System Technologies for International Journal of Antenna and Propagation. He is a senior member of the Institute of Electrical and Electronics Engineers (IEEE), and life members of the Chinese Institute of Engineers (CIE), the Chinese Institute of Electrical Engineering (CIEE), and the Taiwan Institute of Electrical and Electronic Engineering (TIEEE).



**Hsiao-Chun Wu** received a B. S. E. E. degree from National Cheng Kung University, Taiwan, in 1990, and the M. S. and Ph. D. degrees in electrical and computer engineering from University of Florida, Gainesville, in 1993 and 1999 respectively. From March 1999 to January 2001, he had worked for Motorola Personal Communications Sector Research Labs as a Senior Electrical Engineer. Since January 2001, he has joined the faculty in Department of Electrical and Computer Engineering, Louisiana State University, Baton Rouge, Louisiana, U. S. A. From July to August 2007, Dr. Wu had been a visiting assistant professor at

Television and Networks Transmission Group, Communications Research Centre, Ottawa, Canada. From August to December 2008, he was a visiting associate professor at Department of Electrical Engineering, Stanford University, California, USA.

Dr. Wu has published more than 150 peer-refereed technical journal and conference articles in electrical and computer engineering. His research interests include the areas of wireless communications and signal processing. Dr. Wu is an IEEE Senior Member and an IEEE Distinguished Lecturer. He currently serves as an Associate Editor for IEEE Transactions on Broadcasting, IEEE Signal Processing Letters, IEEE Communications Magazine, International Journal of Computers and Electrical Engineering, Journal of Information Processing Systems, Physical Communication, and Journal of the Franklin Institute. He used to serve as an Associate Editor for IEEE Transactions on Vehicular Technology. He has also served for numerous textbooks, IEEE/ACM conferences and journals as the technical committee, symposium chair, track chair, or the reviewer in signal processing, communications, circuits and computers.