The 2012 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS 2012) will be held at Tamsui, New Taipei City, Taiwan. Launched in 1992, this is the 20th ISPACS. The conference presents every possibility on new technologies based on signal processing and communication. The ISPACS 2012 will include regular sessions on the topics listed below and some special sessions on emerging intelligent signal processing and communication system topics. The ISPACS 2012 will highlight “The Emergence of Intelligent Electronics on Green Signal Processing and Communications for Better Life”. Prospective authors are invited to submit their papers reporting original work as well as tutorial overviews in all relevant areas. The topics for regular sessions include, but are not limited to the following fields:

1. Signal Processing
   1.1 Digital Filters and Filter Banks
   1.2 Wavelets and Multi-rate Signal Processing
   1.3 Adaptive, Non-linear & Multidimensional Signal Processing
   1.4 Fast Algorithms for Signal Processing and Communication Systems
   1.5 Radar, Antennas & Mobile Signal Processing
   1.6 Ubiquitous Signal Processing & Systems
   1.7 Data & System Security Techniques
   1.8 Optical Signal Processing
   1.9 Statistical Signal Processing
   1.10 Signal Processing & Data Storage Technology
   1.11 Others

2. Multimedia and Systems
   2.1 Image and Video Processing
   2.2 Video Technology
   2.3 Multimedia Technology and Systems
   2.4 Speech and Audio Processing
   2.5 3-D Imaging and Computer Vision
   2.6 Error Control and Coding Techniques
   2.7 Cryptography and Information hiding
   2.8 Others

3. Communication Systems
   3.1 Radio Propagation and Channel Modeling
   3.2 Communication Theory
   3.3 Antenna and Propagation
   3.4 Wideband Communications
   3.5 Wireless Systems
   3.6 Intelligent Comm. Systems & Network Protocols
   3.7 Others

4. VLSI
   4.1 Analogue, Digital, and Mixed Signal Design
   4.2 Low Power Design
   4.3 CAD Tools and SoC Design
   4.4 IC Design for Multimedia Systems
   4.5 Others

5. Circuits and Systems
   5.1 Analogue Circuits, Filters, and Data Conversion
   5.2 Analogue, Digital, and Mixed Signal Processing
   5.3 Numerical Methods and Circuit Simulation
   5.4 Circuits and Systems for Communications
   5.5 Neural Networks and Fuzzy Logic Processing
   5.6 Others

6. Emerging Technologies in Signal Processing and Communications
   6.1 Bioinformatics and Biometric Signal Processing
   6.2 Emerging Standards for Multimedia Technology
   6.3 Others

Prospective authors are invited to submit papers reflecting original, unpublished work in these fields. Papers should not exceed 6 pages including results, figures, and references. Manuscript templates will be made available on the website. All submissions will be subjected to a double-blind review procedure. The CD-ROM/Flash-drive proceedings of accepted papers will be made available at the symposium. Symposium papers will be archived and available through IEEE Xplore as well as included in Elsevier EI Compendex. Best paper awards will be given to outstanding contributions and recognized as such at the Symposium. Only electronic submissions with PDF files will be accepted via the conference website.

Authors are expected to present their papers at the Symposium upon acceptance. Presenting authors are required to register for the Symposium.

Important Dates:
- Deadline for Special Session Proposal: May 20, 2012
- Deadline for Regular Paper Submission: June 15, 2012
- Notification of Paper Acceptance: August 16, 2012
- Camera Ready Paper Due: September 14, 2012
- Advance Registration: October 1, 2012
- Conference Dates: November 4-7, 2012

General Secretary could be contacted by:
FAX: +886-2-2621-2309 or Email: ISPACS2012@ee.tku.edu.tw
Check the symposium website for up-to-date information:
http://www.ispacs2012.org/