

# 2008 International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS 2008)

December 8-11, 2008

Swissôtel Le Concorde, Bangkok, Thailand



## Organizing Committee

### Honorary Chairs

Yoshikazu Miyanaga  
Hokkaido University, Japan  
Wanlop Surakampoltorn  
KMUTL, Thailand

### General Chair

Kosin Chamnongthai  
KMUTT, Thailand

### Vice Chair

Keattisak Sripimanwat  
NECTEC, Thailand

### Technical Advisory Board

Yoshio Yoshioka, Hirosaki University, Japan

### Technical Program Chairs

Vutipong Areekul  
KU, Thailand  
Lunchakorn Wuttisittikulki  
CU, Thailand  
Thumrongrat Amornraksa  
KMUTT, Thailand  
Apinunt Thanachayanont  
KMUTL, Thailand  
Chiranut Sa-ngiamsak  
KKU, Thailand  
Nipon Theera-Umpon  
CMU, Thailand  
Matthew N. Dailey  
AIT, Thailand  
Takao Onoye  
Osaka University, Japan

### Special Session Chairs

Somchai Limsiraratana  
PSU, Thailand  
Charnchai Pluempitviriyavej  
CU, Thailand

### Exhibition Chair

Phaophak Sirisuk  
MUT, Thailand

### Publicity Chair

Pakorn Kaewtrakulpong  
KMUTT, Thailand

### Publication Chairs

Raungrong Suleesathira  
KMUTT, Thailand  
Natthaphob Nimpitiwan  
BU, Thailand

### Finance Chairs

Banlue Srisuchinwong  
SIIT, Thailand  
Supaporn Kiattisin  
UTCC, Thailand

### Registration Chair

Rujipan Sampanna  
BU, Thailand

### Local Arrangement Chairs

Rachada Kongkachandra, TU, Thailand  
Sanchai Rattananon, UTCC, Thailand

### Secretaries

Adisorn Leelasantham, UTCC, Thailand  
Werapon Chiracharit, KMUTT, Thailand

### General Secretary

Apirat Siritarativat, KKU, Thailand  
E-mail: [ispacs2008@ecti.or.th](mailto:ispacs2008@ecti.or.th)

## International Steering Committee

### Chair

Yoshikazu Miyanaga

### Vice Chair

King N. Ngan

### Members

Masahide Abe	Kaoru Arakawa
Supavadee Aramvith	Takao Onoye
Francois Chin	Nam Ik Cho
Marc Fossorier	Tetsuro Fujii
Yoshio Itoh	Moon Gi Kang
H.K. Kwan	Monai Krairiksh
Shan Suthaharan	Akira Taguchi
Hsin-Hsyong Yang	Bin Qiu
Ioannis Pitas	Canhui Cai



## Final Call for Papers

### Intelligent Wireless Communication Systems for the Next Century

The 2008 International Symposium on Intelligent Signal Processing and Communication Systems will be held in Bangkok, Thailand. The ISPACS presents every possibility on new information technologies. The ISPACS 2008 will include many regular sessions on the topics listed below and some special sessions on emerging intelligent signal processing and communication system topics. The symposium will be organized into parallel sessions. Prospective authors are invited to submit their papers reporting original work as well as tutorial overviews in all areas of signal processing and communication systems. The topics for regular sessions include, but are not limited to the following fields:

#### 1. Communication Systems

- 1.1 Radio Propagation and Channel Modeling
- 1.2 Communication Theory
- 1.3 Antenna and Propagation
- 1.4 Wideband Communications
- 1.5 Wireless Systems
- 1.6 Intelligent Communication Systems and Network Protocols
- 1.7 Others

#### 2. Multimedia and Systems

- 2.1 Speech Processing and Coding
- 2.2 Image Processing and Coding
- 2.3 Video Processing and Coding
- 2.4 Video and Multimedia Technology & Communications
- 2.5 Audio/Acoustic Signal Processing
- 2.6 Multimedia Processing for e-Learning
- 2.7 Others

#### 3. Signal Processing

- 3.1 Digital Filters and Filter Banks
- 3.2 Wavelets and Multirate Signal Processing
- 3.3 Adaptive, Non-linear and Multidimensional Signal Processing
- 3.4 Fast Computations for Signal Processing, and Communication Systems

#### 3.5 Radar, Antennas and Mobile Signal Processing

- 3.6 Intelligent Signal Processing for Communications & Systems
- 3.7 Security Signal Processing
- 3.8 Optical Signal Processing
- 3.9 Noise Control
- 3.10 Others

#### 4. VLSI

- 4.1 Analog and Digital ICs for Communications
- 4.2 Low Power Design & VLSI Physical Synthesis
- 4.3 Modeling, Simulation and CAD Tools
- 4.4 VLSI Architecture for Signal Processing
- 4.5 Others

#### 5. Circuits and Systems

- 5.1 Analog Circuits, Filters and Data Conversion
- 5.2 Analog 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

Prospective authors are invited to submit papers reflecting original, unpublished work in these fields. Papers should not exceed 4 pages including results, figures and references. WORD templates will be made available at the website. All submissions will be subjected to a double-blind review procedure. The CD-ROM proceedings of accepted papers will be made available at the symposium. Symposium papers will be archived and available through IEEE Xplore. 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 web at:

<http://www.ispacs2008.org>

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

### Author's Schedule:

Deadline for Special Session Proposals:

May 1, 2008

Extended Deadline for Submission of Full Paper:

June 30, 2008

Notification of Acceptance:

September 8, 2008

Deadline for Submission of Camera Ready Paper:

October 3, 2008

Organized by the Electrical Engineering/Electronics, Computer, Telecommunications, and Information Technology Association (ECTI)

Co-organized by GCEO-NGIT, Hokkaido University

Technical sponsored by IEEE Circuits and Systems Society

In cooperation with the Institute of Electronics, Information and Communication Engineering (IEICE)

