

6 – 9 December 2005, Bangkok, Thailand

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## CALL FOR PAPERS

The past four International Conferences on Information, Communications and Signal Processing were great successes with, on average, over 500 papers reviewed and attended by more than 300 international participants in each conference. Following on these successes, we are pleased to announce that **ICICS2005**, the fifth International Conference on Information, Communications and Signal Processing will be held in Bangkok, Thailand from 6 to 9 December 2005. The conference will be co-organised by the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore (NTU) and the Faculty of Engineering, King Mongkut's Institute of Technology Ladkrabang, Thailand (KMITL), in cooperation with the Research Center for Communications and Information Technology, Thailand. The conference will cover areas in Information Engineering, Communication Systems and Signal Processing. There will be tutorial sessions as well as invited sessions. Papers describing original work in, but not limited to, the following technical areas are invited:

**MULTIMEDIA SYSTEMS:** Media generation and integration, multimedia databases and servers, digital libraries, multimedia analysis and understanding, indexing and retrieval, media-on-demand, multimedia security, multimedia watermarking, user and application interface, hypertext and hypermedia, computer graphics and visualisation, virtual reality, multimedia games and entertainment, multimedia over IP, wireless multimedia, multimedia middleware and groupware, multimedia coding, multimedia standards and applications, and others.

**COMPUTER SYSTEMS:** Computer databases, electronic commerce, high performance computing, neural and fuzzy computing, evolutionary computing, internet computing, grid computing, parallel and distributed computing, bio-computing, computer vision, computer architectures, data storage systems, real-time systems, fault-tolerant systems, intelligent systems, embedded systems, systems engineering, software engineering, knowledge engineering, data mining, and others.

**SIGNAL PROCESSING:** Audio/speech processing and coding, adaptive signal processing, multidimensional signal processing, statistical signal processing, array processing, image/video analysis and processing, image/video coding and transmission, genomic signal processing and bioinformatics, signal detection and estimation, system identification and modelling, time-frequency and time-scale analysis, digital filters, wavelets and filter banks, CAD for VLSI digital signal processors, rapid prototyping and hardware/software co-design, signal processing for biomedical applications, signal processing for communications, emerging DSP applications, and others.

**COMMUNICATIONS:** Coding, modulation, equalisation, spread spectrum, wireless communications, mobile, cellular, ultra-wideband (UWB) technology, CDMA, multi-rate and multi-carrier communications, power-line communications, PCN, optical fibre, satellite, microwave circuits and systems, antennas, propagation, software radio, system simulation, EMI/EMC, and others.

**NETWORKING:** Optical networks, wireless networks, mobile IP networks, home and ubiquitous networks, ad-hoc wireless networks, peer-to-peer networks, multimedia networks, intelligent networks, broadband and high speed networks, internet, network management, network architecture and protocols, flow and congestion control, routing, cross-layer design and optimization, network security, network traffic characterisation, tele-traffic engineering, network design and analysis, quality of services, network applications, and others.

**Submission of Papers:** Authors are invited to submit a full paper in the form of an electronic file in PDF format. Full papers should have a maximum of 5 pages in double-column format and use 10 pt Times Roman or similar fonts.

**Correspondence:** All submissions and correspondence can be conducted through ICICS2005 homepage:

Home Page: <http://www.icics.org/>

Email: [secretariat@icics.org](mailto:secretariat@icics.org)

## Important Dates

Full Paper Submission Deadline	:	June 15, 2005
Notification of Acceptance	:	August 15, 2005
Camera-Ready Copy Due	:	September 15, 2005

**Special Sessions and Tutorials:** The conference will feature special sessions and tutorials on specialised topics of interests. To propose a special session, please contact the Special Sessions Chair, A. Makur (EAMakur@ntu.edu.sg) and provide the session names of 5-6 potential papers and authors. To organise a half/full day tutorial, please submit a proposal to the Tutorial Chair, S. K. Bose (ESKBose@ntu.edu.sg). All proposals should be submitted by July 1, 2005.