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(HKUST, Hong Kong)

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(UESTC, China)

2004 International Conference on Communications, Circuits And Systems Call for Paper

<http://iccas04.uestc.edu.cn>

Conference Date: June 27 - 29, 2004

Venue: International Conference Center, UESTC,
Chengdu, China

General Information

The second International Conference on Communications, Circuits and Systems (ICCCAS'04), to be held in Chengdu, Sichuan, China on June 27- 29, 2004, is organized by the University of Electronic Science and Technology of China (UESTC) and sponsored by the Ministry of Education (MOE) of PR China, also co-sponsored by the City University of Hong Kong, technically co-sponsored by the CASS (Circuits and Systems Society, please visit the conference calendar website <http://filter.ece.uci.edu/conf/2004.htm>)/IEEE, ComSoc (Communication Society, please visit <http://www.comsoc.org/confs/calendar/2004/confdate.html>)/IEEE, the Hong Kong University of Science & Technology, the Chinese University of Hong Kong and the University of Hong Kong. We are also applying for the sponsorship of the Natural Science Foundation of China (NSFC). The conference (ICCCAS'04) aims to provide a broad international forum for scientific researchers, academicians and engineers working in the communications, circuits and systems areas to discuss state-of-the-art technologies, progress in standards, services and their applications in telecommunication and information systems. The conference will feature plenary lectures given by worldwide renowned speakers and some special sessions focused on some hot topics. Major topics to be addressed in ICCAS'04 include, but are not limited to, the following areas:

1. Communication Theory (Track CT)

- 1) Algebraic coding
- 2) Trellis and iterative decoding
- 3) Cryptography and sequence design
- 4) Space-time communications
- 5) Multiuser communications
- 6) Multicarrier signal processing
- 7) Quantum information and computation
- 8) Shannon theory and source coding
- 9) Detection and estimation
- 10) Other subjects

2. Wireless Communication (Track WC)

- 1) Transmission techniques, wireless access, coding and equalization
- 2) MIMO systems and space-time diversity techniques
- 3) Channel modeling
- 4) Multimedia wireless networks
- 5) 2.5G, 3G and 4G systems
- 6) Antenna and propagation
- 7) Mobile satellite and GPS
- 8) Wireless sensors and digital signal processing
- 9) Broadband and Ultra-wideband wireless networks
- 10) Other subjects

Symposium Technical Program Committee Chairs

1. Symposium on CT

(Communication Theory)

Chair: Prof. W.H. Mow

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of Science & Technology
Clear Water Bay, Hong Kong
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2. Symposium on WC

(Wireless Communication)

Chair: Prof. Ping Li

*Department of Electronic Engineering,
City University of Hong Kong
83 Tat Chee Avenue, Kowloon
Hong Kong SAR, P. R. China
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3. Symposium on MC

(Multimedia Communication)

Chair Prof. Gary Chan

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4. Symposium on OBC

(Optical and Broadband
Communications)

Chair: Prof. Dennis T.K. Tong

*Department of Electrical and Electronic
Engineering, Hong Kong University of
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Chair: Prof. Sheng Wang

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3. Multimedia Communications (Track MC)

- 1) Multimedia networking
- 2) Multimedia system architecture
- 3) Multimedia system performance analysis and testing
- 4) Multicast networks
- 5) Quality of services for Multimedia systems
- 6) Multimedia signal processing and compression
- 7) Media adaptation
- 8) Content distribution networks
- 9) Peer-to-peer networks
- 10) Other subjects

4. Optical and Broadband Communications (Track OBC)

- 1) Optical fiber, fiber and optoelectronic devices
- 2) Optical switching and wavelength selective devices
- 3) Planar lightwave circuits and waveguide devices
- 4) Optical signal monitoring and conditioning
- 5) Transmission systems and subsystems
- 6) Optical networks
- 7) Broadband networks
- 8) Quality of service and performance analysis
- 9) Standards and applications
- 10) Other subjects

5. Theory and Methods of Signal Processing (Track TMSP)

- 1) Filter design and wavelets
- 2) Adaptive and robust signal processing
- 3) Multi-dimensional signal processing
- 4) Sensor arrays & multichannel signal processing
- 5) Distributive and asymmetric signal processing
- 6) Estimation and identification
- 7) Stationary signals and spectral analysis
- 8) Nonstationary signals and time frequency analysis
- 9) Real-time signal processing systems
- 10) Other subjects

6. Bio-, Blind- and Multimedia Signal Processing (Track BBMSP)

- 1) Image/video coding and processing
- 2) Speech/audio coding and processing
- 3) Computer graphics and visualization
- 4) Multimedia security and content protection
- 5) Multimedia storage, indexing, and retrieval
- 6) Multimedia standards, systems, and applications
- 7) Blind signal processing
- 8) Biosignal processing and biomedical imaging
- 9) Bioinformatics and computational biology
- 10) Other subjects

5. Symposium on TMSP

(Theory and Methods of Signal Processing)

Chair: Prof. Wan-Chi Siu

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Department of Electronic & Information
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Chair: Prof. LJubisa Stankovic

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6. Symposium on BBMSP

(Bio-, Blind- and Multimedia of Signal Processing)

Chair: Prof. Yap-Peng Tan

*Division of Information Engineering,
School of Electrical and Electronic
Engineering, Nanyang Technological
University, Singapore*

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7. Symposium on NNCI

(Neural Networks and Computational Intelligence)

Chair: Prof. Jun Wang

*Department of Automation &
Computer-Aided Engineering The Chinese
University of Hong Kong*

Shatin, New Territories, Hong Kong, China

Tel: (852) 26098472

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Web: <http://www.acae.cuhk.edu.hk/~jwang>

8. Symposium on TDICAS

(Theory, Design and Implementation of Circuits and Systems)

Chair: Prof. Guanrong Chen

*Centre for Chaos Control and
Synchronization, Department of Electronic
Engineering, City University of Hong Kong*

83 Tat Chee Avenue, Kowloon

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7. Neural Networks and Computational Intelligence (Track NNCI)

- 1) Neural Networks: Theory and Methods
- 2) Neural Networks: Applications
- 3) Fuzzy Systems: Theory and Methods
- 4) Fuzzy Systems: Applications
- 5) Evolutionary Computation: Theory and methods
- 6) Evolutionary Computation: Applications
- 7) Other subjects

8. Theory, Design and Implementation of Circuits & Systems (Track TDICAS)

- 1) Analog/digital/mixed circuits and systems
- 2) Nonlinear circuits and systems
- 3) Physical design and testing of VLSI circuits and systems
- 4) Circuits and systems for communications
- 5) Fractional-order circuits and systems
- 6) RF IC, audio, video, image ASIC design
- 7) Complex networks and large scale circuits and systems
- 8) Biomedical circuits and systems
- 9) 3S (Remote Sensing, GIS, GPS) systems
- 10) Other subjects

Important Dates

Deadline for Paper Submission: Feb 28, 2004

Notice of Paper Acceptance or Rejection: April 10, 2004

Attendant Registration: April 10 to April 30 2004

Final Manuscript Due: May 10, 2004

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