



**ICCCN 2007: CALL FOR PAPERS**  
**16TH INTERNATIONAL CONFERENCE ON**  
**COMPUTER COMMUNICATIONS AND NETWORKS**  
<http://sa1.sice.umkc.edu/icccn2007/>

**August 13 - 16, 2007**

**Turtle Bay Resort, Honolulu, Hawaii, USA**

**Sponsors: IEEE CommSoc (Technical Co-Sponsorship) and Nokia**

ICCCN is one of the leading international conferences for presenting novel and fundamental advances in the fields of Computer Communications and Networks. It also serves to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving communications and networking related techniques.

ICCCN 2007 presents a number of new exciting features:

- **Distinguished Invited Talks:** Sixteen world-class scientists are invited to deliver Distinguished Position Talks on current status and future trends of various advanced research topics (see below for details);
- **Chair Recommended Papers:** A number of invited research papers with impressive outcomes on various advanced research topics or cutting-edge techniques will be presented;
- **Funding Forum:** Funding organization officers, such as NSF/DARPA program managers, are invited to deliver talks at the conference in order to enhance the communications between researchers and funding organizations;
- **Industry Forum:** Senior officers from world-leading industry giants are invited to form a panel to introduce the latest advances in industry and provide guidance for the future development foci and interests from industrial point of view;
- **Research Labs Panel:** A demo panel to demonstrate the latest leading results from world-class advanced research labs;
- **Satellite Workshops:** Five or more workshops are running in conjunction with the main conference on special topics that are complement to the main theme of the ICCCN.
- **New registration policy:** To encourage more submissions, each registration can be covered up to TWO accepted papers.

**SCOPE:**

The primary focus of the conference is on new and original research results in the areas of design, implementation, and applications of Computer Communications and Networks. We invite you to submit papers that present challenging and innovative results. Topics of interest include, but are not limited to:

- Internet Services & Applications
- Broadband Networking & Protocols
- Networking Algorithms & Performance Evaluation
- QoS Control & Traffic Modeling
- Communications & Information Theory
- Optical Networking
- Peer-to-Peer & Grid Networking
- Network Security
- Signal Processing for Communications
- Computer Architecture for Networking
- Wireless Communications
- Broadband Wireless Access
- Multimedia Communications
- Pervasive Computing & Mobile Networking
- Sensor & Ad-Hoc Networking
- Cross-Layer Design and Optimization
- Wireless & Mobile Network Architecture
- Emerging Technology & Standards
- Parallel & Distributed Computing

### IMPORTANT DATES:

- ➔ **Paper submission deadline: March 1, 2007**
- ➔ **Notification of acceptance: May 11, 2007**
- ➔ **Camera ready papers due: June 1, 2007**

### SUBMISSION OF MANUSCRIPTS:

Submitted manuscripts must be of length up to 6 pages unless the authors are willing to pay the over-length charges at the time of publication (any manuscripts may NOT exceed 8 pages). The manuscripts must be submitted in standard IEEE camera-ready format (double-column, 10-pt font). Files should be submitted in PDF format and formatted for 8.5x11-inch paper. Submitted papers may NOT have appeared in, nor be under consideration for, another journal or conference. The Program Committee reserves the right to NOT review papers that either exceed the above length specification or have been submitted or published elsewhere. Submissions must include the title, abstract, keywords, author(s) and affiliation, e-mail address(es), fax/phone number(s), and postal address(es). In case of multiple authors, indicate which author is responsible for correspondence about the submission.

### REVIEW AND PUBLICATION OF MANUSCRIPTS:

All submitted papers will be reviewed and judged on originality, correctness, relevance, quality of presentation, and technical strength and significance. An accepted paper must be registered and presented by one of the authors at the conference venue and must be limited to 6 pages (with an allowance of up to two extra pages at a cost of US\$150 per extra page beyond 6 pages) in standard IEEE camera-ready format. Each registered author is allowed to cover up to TWO of his/her own papers.

**STUDENT FORUM:** We encourage submissions from students. Travel assistance may be available for students with top quality papers.

**BEST PAPER AWARD:** ICCCN07 plans to award one best paper and authors of the paper will be recognized at the conference.

**WORKSHOPS:** ICCCN07 features satellite workshops. Workshop proposals should be submitted to the workshops chair, Dr. Xiaobo Zhou at [zbo@cs.uccs.edu](mailto:zbo@cs.uccs.edu). The details of Call for Workshop Proposals can be found at ICCCN2007 Web site.

Please contact the Technical Program Chair below with any questions:

**Dr. Haohong Wang, ICCCN07 Program Chair**

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### DISTINGUISHED INVITED TALK SPEAKERS (tentative)

Prof. Nirwan Ansari, New Jersey Institute of Technology, USA (IEEE Distinguished Lecturer)

Area: Network Security

Title: Tracing and mitigating distributed denial of service attacks

Prof. Vincent W.S. Chan, MIT, USA (IEEE Fellow)

Area: Optimal Communications

Prof. Changwen Chen, Florida Institute of Technology, USA (IEEE Fellow)

Area: Networked Media Streaming

Dr. Roch Glitho, Ericsson, Canada (IEEE Distinguished Lecturer)

Areas: Services and Applications in Mobile Ad Hoc Networks

Title: Conferencing applications and Services in mobile ad hoc networks: Challenges and Emerging Approaches

Prof. Wu-chun Feng, Virginia Tech, USA

Area: High-performance networking

Title: Ethernet vs. Ethernet: Fad or Fashion?

Prof. Aggelos Katsaggelos, Northwestern University, USA (IEEE Fellow)

Area: Multimedia Communications and Cross-Layer Optimization

Prof. Bob Li, Chinese University of Hong Kong, China (IEEE Fellow)

Area: Network coding

Title: Network coding - Theory and Applications

Prof. Biswanath Mukherjee, University of California, Davis, USA

Area: Optical Networks

Dr. Zhen Liu, IBM Research, USA (IEEE Fellow)

Area: Networking performance modeling and analysis

Prof. Dan Rubenstein, Columbia University, USA

Area: Resilience and network security

Dr. Debanjan Saha, IBM Research, USA

Area: Internet Services and Applications

Prof. Ivan Stojmenovic, University of Ottawa, Canada

Area: Ad-hoc and sensor networks

Title: Sensor actuator networking: Merging wireless sensor and ad hoc networks

Prof. Moe Win, MIT, USA (IEEE Fellow)

Area: Ultra-Wideband Radio Communications

Prof. Xiang-Gen Xia, University of Delaware, USA

Area: Signal processing for Communications

Title: Space-time coding for MIMO and Cooperative Systems

Dr. Raj Yavatkar, Intel, USA (Intel Fellow)

Area: Network Processing

### **INVITED PANELISTS** (tentative)

Dr. Fred Kitson, Motorola Labs, USA (Vice President)

Dr. Minoru Etoh, Docomo USA Labs, USA (Vice President)

Dr. Klara Nahrstedt, NONET Research Group, UIUC, USA (Director)

Dr. Aggelos Katsaggelos, Motorola Center for Communications Research (Director, IEEE Fellow)

Dr. Changwen Chen, Wireless Center of Excellence, FIT, USA (Director, IEEE Fellow)

## CONFERENCE ORGANIZERS

**Organizing Committee Chair:** E. K. Park, University of Missouri, USA

**General Chair:** Katherine Guo, Lucent Bell Labs, USA

**Technical Program Chair:** Haohong Wang, Marvell Semiconductors, USA

**Program Vice-Chairs:** Byrav Ramamurthy, University of Nebraska - Lincoln, USA  
Gary Chan, Hong Kong University of Science & Technology, China  
Song Ci, University of Nebraska - Lincoln, USA  
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Xi Zhang, Texas A&M University, USA

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**Publication Chair:** E. K. Park, University of Missouri, USA

**Local Arrangement Chair:** Ying-Fei Dong, University of Hawaii, USA

### Symposia/Track Chair/Co-Chairs:

(1) Signal Processing for Communications

Co-Chairs: Jane Wang, University of British Columbia, Canada  
Weifeng Su, State University of New York at Buffalo, USA

(2) Computer Architecture for Networking and Communications

Chair: Jun Yang, University of Pittsburg, USA

(3) Wireless ad-hoc and sensor networks

Co-Chairs: Jun-hong Cui, University of Connecticut, USA  
Tian He, University of Minnesota, USA

(4) Cross-layer design and optimization

Chair: Lavy Libman, National ICT Australia, Australia

(5) Wireless and mobile network architecture

Co-Chairs: Guangbin Fan, Intel Research, China  
Shigang Chen, University of Florida, USA

(6) Emerging networking techniques and standards

Chair: Xingang Gu, Intel, USA

(7) Wireless communications

Co-Chairs: Angela Yingjun Zhang, Chinese University of Hong Kong, Hong Kong  
Melissa Meixia Tao, National University of Singapore, Singapore

(8) Broadband wireless access

Co-Chairs: Daniel Wong, Malaysia University of Science and Technology, Malaysia  
Chia-Chin Chong, NTT DoCoMo Labs, USA

(9) Multimedia over wireless and mixed networks

Co-Chairs: Zhu Li, Motorola Research lab, USA  
Jin Li, Microsoft Research, USA

(10) Pervasive computing and mobile networking

Co-Chairs: Jacky Shen, Microsoft Research Asia, China

Linda Jiang Xie, University of North Carolina, Charlotte, USA

(11) Optical networking

Co-Chairs: Galen Sasaki, University of Hawaii, USA

Vinod Vokkarane, University of Massachusetts-Dartmouth, USA

(12) Peer-to-Peer and Grid networking

Co-Chairs: Micah Beck, University of Tennessee-Knoxville, USA

Lisong Xu, University of Nebraska-Lincoln, USA

(13) Network security

Co-Chairs: K. P. Subbalakshmi, Stevens Institute of Technology, USA

Minaxi Gupta, Indiana University, USA

(14) Internet services and applications

Chair: Qusay H. Mahmoud, University of Guelph, Canada

(15) Network algorithms and performance evaluation

Co-Chairs: Zhenhai Duan, Florida State University, USA

Kartik Gopalan, State University of New York at Binghamton, USA

(16) Broadband networking and protocols

Chair: Chin-Tser Huang, University of South Carolina, USA

Ra'ed Awdeh, Sharjah University, UAE

(17) QoS control and traffic modeling

Chair: Hideki Tode, Osaka University, Japan

(18) Communication and Information Theory

Chair: Sriram Vishwanath, University of Texas at Austin, USA

(19) Parallel and Distributed Computing

Chair: Yanyong Zhang, Rutgers University, USA

Eun Jung Kim, Texas A&M University, USA

(20) General Track

Co-Chairs: Behcet Sarikaya, University of Northern British Columbia, Canada

Arunita Jaekel, University of Windsor, Canada