

**IEEE COMMUNICATIONS SOCIETY**  
**Wireless Communications Technical Committee (WTC)**

Meeting held at ICC 2007

Glasgow, Scotland, UK

Crowne Plaza Hotel  
Barra Suite Room

Monday, June 25, 2007  
17:45 – 19:30

## Agenda

- ◆ 1. Welcome and introduction
- ◆ 2. Minutes of the previous TCPC meeting (held at GC'06)
- ◆ 3. ComSoc Wireless Communications Engineering Technology Certification program (by Celia Desmond)
- ◆ 4. Conference reports
- ◆ 5. TCPC Endorsement and ComSoc sponsorship policies
- ◆ 6. Other business
- ◆ 7. Adjournment

## Minutes of TCPC meeting held at Globecom'06

◆ 12:15-14:00, Wednesday, 29 Nov 2006, Mark Hopkins Hotel, San Francisco, CA, USA

◆ Chair: Halim Yanikomeroglu (TCPC Chair)

◆ Attendees: ~60

Sonia Aissa, Furuzar Atay, Mohammed Atiquzzaman, Khaled Ben Letaief, Jalel Ben-Othman, Vijay Bhargava, Azzedine Boukerche, Lin Cai, Jun Cai, Wei Chen, Yu Cheng, J. Roberto DeMarca, Arjan Durrezi, Bassam El Saghir, Gustaud Fraidenraih, Stefano Galli, Yongfang Gao, Ali Ghrayeh, Giovanni Gianbene, Jerry Gibson, Mohsen Guizani, Wakia Hamouda, Hossam Hassanein, Sastri Kota, Marwan Krunz, Xiaodong Lin, Xinhua Ling, Pascal Lorenz, Wenjing Lou, Maode Ma, Yao Ma, Mustafa Matalgah, Vojislav Mistic, Farid Nait-Abdesselam, Guy Omidyar, Jianping Pan, Redha Radaydeh, Mahmudur Rahman, Kui Ren, Humphrey Rutagemwa, Abelallah Shami, Yan Sun, Rath Vannithamby, Yu Wang, Xianbin Wang, Ruihai Wang, Jingxian Wu, S. Wright, Yang Xiao, Chengshan Xiao, Daniel Xu, Larry Xue, Halim Yanikomerglu, Aylin Yener, Boon Sain Yeo, Duo Zhang, Angela Zhang, Chi Zhang, Rosa Zheng, Yu Zhu

◆ See attachment.

## IEEE ComSoc Wireless Communications Technical Committee (WTC)

### **Mission Statement:**

- ◆ The mission of WTC is to sponsor publications, conferences, technical sessions, workshops, and other information exchanges on architectures, applications, systems, terminals and technologies to provide wireless, mobile, location-independent communication and computing in voice, data and visual media. Its areas of interest include techniques for achieving portability, ubiquity and transparency using mobile and wireless cellular networks ranging from physical layer, MAC layer, network layer to application layer. The committee also assumes the proactive duty to nominate suitable candidates for ComSoc and IEEE awards, propose distinguished lecturer candidates, endorse deserving candidates for the election to IEEE Senior Member and Fellow grade, make contributions to standards in an organized form.

## General Information on WTC

- ◆ WTC is one of the largest, most established, and most active TCs in ComSoc with ~625 members
- ◆ WTC has two formal meeting a year at ICC and Globecom
  
- ◆ **Present Officers** (1 Jan 2007 - 31 December 2008)
  - Chair: Prof. Chengshan Xiao, U of Missouri-Columbia, USA
  - Vice-Chair: Prof. Mohsen Guizani, West Michigan U, USA
  - Secretary: Prof. Sherman Shen, U of Waterloo, Canada
  
- ◆ **Past Chairs**
  - Prof. Halim Yanikomeroglu, Carleton U, Canada
  - Prof. Khaled Ben Letaief, HKUST, Hong Kong
  - Prof. Zygmunt Haas, Cornell U, USA
  - Prof. Elvino Sousa, U of Toronto, Canada
  - Dr. Justin Chuang, AT&T (now with Broadcom, USA)
  - Prof. Steve Rappaport, SUNY, New York
  - Prof. Henry Bertoni, Polytechnic University, NY, USA

## TCPC Impact

### ◆ ICCs and Globecom (GICCs)

- In all GICCs, WTC organizes/co-organizes the Wireless Communications Symposium (WCS) and Wireless Networks Symposium (WNS)
  - WCS in GICCs has consistently received the highest number of submissions and attendees (about 30%-40% of the total GICC submissions and attendees) in the last few years
- WTC also cosponsors other wireless related symposia (such as the “Wireless Ad Hoc and Sensor Networks Symposium” and “Next Generation Mobile Networks Symposium” at GICCs).

### ◆ WTC plays an active role in the organization of ComSoc's flagship wireless events **WCNC** (Wireless Communications & Networking Conference) and **PIMRC** (Personal, Indoor, Mobile, Radio Communications)

- Predecessor of WCNC (ICUPC - Int'l Conference on Universal Personal Communications) was born within WTC.
- Current and past (founding) Chairs of WCNC Steering Committee, Prof. Roberto de Marca and Dr. Chih-Lin I: active members of WTC.
- Founding Steering Committee Chair of PIMRC, Prof. Hamid Aghvami: an active WTC member.

## TCPC Impact (cont'd)

- ◆ TCPC endorses a high number of wireless events, and actively contributes to their organization.
  - Every event endorsed by WTC presents two reports at WTC meetings; in the first (pre-conference) report, the preparations are outlined, and in the second (post-conference) report, the statistics (submissions, review process, acceptance rate, attendance, etc.) are provided.
  
- ◆ WTC members play very active roles in the editorial boards of wireless journals, magazines, and special issues. For instance,
  - EiC of IEEE TWireless, Prof. Vijay Bhargava, WTC active member
  - Founding EiC of IEEE TWireless, Prof. Khaled Ben Letaief: the past TCPC Chair
  - Five Area Editors of TWireless are WTC members.
  - Many Editors of TWireless and TComm are WTC members.

## Involvement in WTC

- ◆ Website: <http://bbcr.uwaterloo.ca/~wtc/>
- ◆ Membership: open to all who are interested
- ◆ Volunteer-based, open and welcoming
- ◆ Mailing list
- ◆ **Utilize WTC!**
  - Networking
  - Getting involved in events (reviewer, TPC member, session chair, TPC chair/vice-chair)
  - Conference endorsement
  - IEEE fellowship
  - IEEE awards
  - IEEE ComSoc awards
  - ...



# ComSoc Wireless Communications Engineering Technology Certification program (by Celia Desmond)

## Conference Reports

### WTC-sponsored GICC symposia

- ◆ ICC'07 – WCS
- ◆ ICC'07 – WAHSNS
- ◆ GC'07 – WCS
- ◆ GC'07 -- WNS
- ◆ ICC'08 – WCS
- ◆ ICC'08 – WNA

### ComSoc Wireless Events

- ◆ WCNC'07
- ◆ PIMRC'07
- ◆ WCNC'08

## Endorsed by TCPC

→ sponsored by ComSoc

- ◆ ISWPC'07
- ◆ WTS'07
- ◆ CNSR'07
- ◆ BodyNets'07
- ◆ M-CSC'07

- ◆ WOCN'07
- ◆ QShine'07
- ◆ EuroSSC'07
- ◆ ISWCS'07
- ◆ IIT'07

Post-conf repts (GC'06-ICC'07)

Pre-conf repts (ICC'07-GC'07)

## ICC'07 – All the Symposia

### ◆ ICC Technical Symposia and Valid Paper Submissions (total: 2615/2591)

<b>ICC 2007 Wireless Communications Symposium (WCS)</b>	<b>858</b>
ICC 2007 General Symposium	120
ICC 2007 Communications QoS, Reliability and Performance Modelling	249
ICC 2007 Communication Theory Symposium	191
ICC 2007 Computer and Communications Network Security Symposium	180
ICC 2007 Multimedia Communications and Home Services	95
ICC 2007 Network Services and Operation Symposium	110
ICC 2007 Optical Networks and Systems Symposium	159
ICC 2007 Signal Processing and Coding for Data Storage Symposium	26
ICC 2007 Signal Processing for Communications Symposium	231
ICC 2007 Wireless Ad hoc and Sensor Networks Symposium	372

**WCS received 33.11% of total valid paper submissions to ICC'07**

## ICC'07 – All the Symposia

### ◆ ICC Technical Symposia Paper Acceptance Rates

<b>ICC 2007 Wireless Communications Symposium (WCS)</b>	<b>41.0%</b>
ICC 2007 General Symposium	39.2%
ICC 2007 Communications QoS, Reliability and Performance Modelling	41.0%
ICC 2007 Communication Theory Symposium	41.4%
ICC 2007 Computer and Communications Network Security Symposium	40.6%
ICC 2007 Multimedia Communications and Home Services Symposium	41.1%
ICC 2007 Network Services and Operation Symposium	41.8%
ICC 2007 Optical Networks and Systems Symposium	39.6%
ICC 2007 Signal Processing and Coding for Data Storage Symposium	42.3%
ICC 2007 Signal Processing for Communications Symposium	41.6%
ICC 2007 Wireless Adhoc and Sensor Networks Symposium	40.3%

**WCS accepted 352 papers.**

Globally there are 10 time slots for oral sessions (oral sessions will consist of 6 papers each), 2 on Monday 25th PM and 4 each on Tuesday 26th and Wednesday 27th of June.

## ICC'07 – Wireless Communications Symposium

### ◆ Symposium Co-Chairs:

- Zhi (Gerry) Tian Michigan Tech University, USA
- Ruhai Wang Lamar University, USA
- Mohammed Atiquzzaman University of Oklahoma, USA
- Davide Dardari University of Bologna at Cesena, Italy

### ◆ Sponsors

- Wireless Communications TC
- Radio Communications TC

### ◆ Wireless Communications Symposium paper distribution

- Submission: 858
- Accepted: 352
- Acceptance Rate: 40.10% suggested by ICC'07 Chair
- Accepted Papers: 22% poster presentation, 78% oral presentation

### ◆ TPC Members: 171

◆ Each paper assigned to one TPC member who selects three reviewers

◆ 49 sessions (46 regular sessions and 3 poster sessions)

## ICC'07 – Wireless Communications Symposium

◆ 49 sessions (46 regular sessions and 3 poster sessions)

[WCS1](#) Modulation, Coding, and Diversity Techniques-I  
[WCS2](#) Cooperative Communications-I  
[WCS3](#) CDMA-I  
[WCS4](#) Ultra-wideband (UWB) Communications-I  
[WCS5](#) MIMO-I  
[WCS6](#) Modulation, Coding, and Diversity Techniques-II  
[WCS7](#) Cooperative Communications-II  
[WCS8](#) CDMA-II  
[WCS9](#) Ultra-wideband (UWB) Communications-II  
  
[WCS10](#) OFDM Systems-I  
[WCS11](#) MIMO-II  
[WCS12](#) Space-Time Coding-I  
[WCS13](#) Satellite Communications  
[WCS14](#) Detection and Estimation-I  
[WCS15](#) Transport Protocols and Techniques for Wireless Networks  
[WCS16](#) Wireless LANs-I  
[WCS17](#) Resource Allocation and Management-I  
[WCS18](#) MIMO-III  
[WCS19](#) Cross-Layer Design-II  
  
[WCS20](#) Localization Techniques  
[WCS21](#) Wireless LANs-II  
[WCS22](#) Wireless Ad Hoc and Sensor Networks-I  
[WCS23](#) Wireless Network Protocols  
[WCS24](#) Resource Allocation and Management-II  
[WCS25](#) Propagation and Channel Characterization-I  
[WCS26](#) OFDM Systems-II

[WCS27](#) Wireless Ad Hoc and Sensor Networks-II  
[WCS28](#) Wireless Mesh Networks  
[WCS29](#) MIMO-IV  
  
[WCS30](#) Propagation and Channel Characterization-II  
[WCS31](#) Resource Allocation and Management-III  
[WCS32](#) MIMO-V  
[WCS33](#) OFDM Systems-III  
[WCS34](#) Software Defined and Cognitive Radio  
[WCS35P](#) Wireless Communications Symposium Poster Session I  
[WCS36](#) Smart Antenna Technologies  
[WCS37](#) UWB-III  
[WCS38](#) OFDM Systems-IV  
[WCS39](#) MIMO-VI  
  
[WCS40P](#) Wireless Communications Symposium Poster Session II  
[WCS41](#) Mobility, Location and Handoff Management  
[WCS42](#) Cross-Layer Design-III  
[WCS43](#) OFDM Systems-V  
[WCS44](#) Information Theory Applications in Wireless Communications  
[WCS45P](#) Wireless Communications Symposium Poster Session III  
[WCS46](#) Wireless Medium Access Control Techniques  
[WCS47](#) Detection and Estimation-II  
[WCS48](#) Mobile Internet and IP Technologies  
[WCS49](#) Cooperative Communications-III

## Symposium on Ad hoc and Sensor Networks – ICC 2007

### ◆ Co-Chairs

- Raouf Boutaba, University of Waterloo
- Hossam Hassanein, Queen's University
- Hussein Mouftah, University of Ottawa
- Guoliang Xue, Arizona State University

### ◆ Sponsoring committees

- WTC
  - TC AHSN (Technical Committee on Ad Hoc and Sensor Networks)
  - TCII (Technical Committee on Information Infrastructure)

### ◆ TPC members – 110

### ◆ Paper Status

- Submissions: 379
- Acceptance:
  - 150 papers
  - 120 oral (20 sessions) and 30 poster (1 session)

## Symposium on Ad hoc and Sensor Networks – ICC 2007

### Sessions

#### ◆ Monday (25<sup>th</sup>)

- ◆ Localization
- ◆ Routing I
- ◆ Poster Session WAS03
- ◆ Mobile Ad hoc Networks
- ◆ Routing II

#### ◆ Tuesday (26<sup>th</sup>)

- ◆ Security
- ◆ Cross Layer Design
- ◆ Clustering
- ◆ Coverage
- ◆ Access Control (MAC) I
- ◆ Multicast and Data Gathering
- ◆ Access Control (MAC) II
- ◆ Power Control

#### ◆ Wednesday (27<sup>th</sup>)

- Scheduling
- Mesh Networks I
- Performance Evaluation I
- Mesh networks II
- Performance Evaluation II
- Modelling
- Performance Evaluation III
- Emerging Technologies



## About GC'07 Symposia

- ◆ Technical Program Chair: Sherman SHEN
- ◆ The situation as of today (June 20)

	submitted	rejected	accepted
General Symposium	260	162	98
Ad-hoc and Sensor Networking Symposium	377	231	146
Multimedia Communications, Software and Services Symposium	64	40	24
Communication Theory Symposium	208	NA	NA
Internet Protocol Symposium	105	NA	NA
Optical Networks and Systems Symposium	142	87	55
Performance Modeling, QoS and Reliability Symposium	155	96	59
Signal Processing Symposium	160	NA	NA
Wireless Communications	754	468	286
Wireless Networking	336	NA	NA

## About the GC'07 Wireless Communications Symposium

- ◆ Technical cochairs:
  - Andy MOLISCH
  - *Maria Luisa MERANI (WTC)*
  - *Yao MA (WTC)*
  - R. CHANDRAMOULI
  
- ◆ 140 TPC members accepted to serve
  
- ◆ **754** papers were submitted !!!
  - Each of them was assigned to at least 3 different TPC members
  
  - 499 manuscripts received 3 reviews
  - 126 received 4 reviews
  - 39 with 5 reviews
  - 4 with 6 reviews
  - 3 with 7 reviews
  
  - 83 papers with 2 reviews ...

## GC'07 Wireless Communications Symposium

### ◆ Acceptance rate

- It is common to all GC'07 Symposia:  
34% for oral presentations and 4% for posters

### ◆ Papers accepted within the Wireless Communications Symposium

- 256 in regular sessions
- 30 in poster sessions
  
- Session organization and number:  
to be finalized

## Globecom 07 - Wireless Networking Symposium

### ◆ Symposium Co-Chairs:

- Abbas Jamalipour, University of Sydney, USA
- Dongmei Zhao, McMaster University, Canada
- Mario Marchese, University of Genoa, Italy
- Ekram Hossain, University of Manitoba, Canada

### ◆ Statistics

- Submission: 336
- Accepted: 132
- Acceptance Rate: ~39% suggested by the Globecom'07 TPC Chair
- Accepted Papers: 15 for poster presentation, 117 for oral presentation

### ◆ TPC Members: 124 (including 4 co-chairs and tpc chair)

- several of them never did any work!

### ◆ 23 sessions (20 regular sessions and 3 poster sessions)

◆ Regular Sessions

- Security issues in wireless networks (6)
- Cognitive radio networks-I, II (6, 6)
- Wireless mesh networks- I, II (6, 6)
- Routing in wireless networks (6)
- IEEE 802.16 networks (6)
- Wireless MAC-I, II (6, 6)
- Mobility and handoff (6)
- Scheduling and admission control in wireless networks (6)
- Resource management in WLANs (6)
- Modeling and analysis of IEEE 802.11-based WLANs (6)
- Modeling and performance analysis (6)
- Modeling and optimization of wireless networks (5)
- OFDM-based wireless networks (5)

◆ Regular Sessions (contd.)

- Channel/resource allocation in wireless networks (6)
- QoS and resource management in wireless networks (6)
- Wireless network designs and protocols (6)
- Satellite networks (5)

◆ Poster Sessions

- Enabling techniques-I, II (5, 6)
- TCP in wireless networks (4)

## ICC 2008, Beijing, CHINA

◆ 19-23 May 2008

◆ <http://www.ieee-icc.org/2008/>

◆ Important due dates:

- P/W Proposal: 1 Sep. 2007
- Tutorial Proposal: 15 Sep. 2007
- Paper Submission: 15 Sep. 2007
- Notification: 10 Jan. 2008
- Camera-Ready: 28 Feb. 2008

## Wireless Communications Symposium

### ◆ Sponsoring Technical Committees

- Wireless Communications Technical Committee (WTC)
- Radio Communications Committee (RCC)
- P2P Technical Sub-Committee

### ◆ Co-chairs:

- Chengshan Xiao, University of Missouri-Columbia, MO, USA
- Sherman Shen, University of Waterloo, ON, CANADA
- Aylin Yener, Pennsylvania State University, PA, USA
- Chia-Chin Chong, DoCoMo Comm Labs, CA, USA

### ◆ Technical Program Committee: 240 people invited, 200 people accepted/confirmed.



## Wireless Networking Symposium

### ◆ Sponsoring Technical Committees

- Wireless Communications Technical Committee (WTC)
- Radio Communications Committee (RCC)
- Technical Committee on Ad hoc and Sensor Networks (AHSN)

### ◆ Co-chairs:

- Roman Fantacci, University of Florence, Italy
- Qian Zhang, Hong Kong University of Science and Technology, Hongkong, China
- Andrea Giorgetti, University of Bologna, Italy
- Hossam Hassanein, Queen's University, Canada

### ◆ Technical Program Committee: to be defined

- Target at 80-100 TPC members

## Wireless Networking Symposium (Cont.)

### ◆ Topics:

- Broadband wireless access, Wireless Local Area Networks (protocols and standards), UWB/Bluetooth Technologies & Applications, 4G mobile network architectures, Interference and Coexistence of Heterogeneous Wireless Systems, Interference Avoidance, Resource allocation and interference management, Call admissions control and congestion control, Flow and congestion control, Transport protocols for wireless, Wireless multicasting, Internetworking heterogeneous networks, Call admissions control, Wireless Communications Standards, Spectrum Management, Radio Resource Management, Spectrum sharing and open spectrum management, Cognitive networking, Spectrum Efficiency & Issues, Wireless Technologies for Sensors, Wireless ad hoc/mesh networks, Homogeneous/heterogeneous mesh network architectures, Network Topology Control, New and unconventional applications of ad-hoc and sensor networks, Underwater sensor networks, RFID systems, Delay-tolerant networks, Deployment and coverage analysis of sensor networks, In-network processing and data storage, Vulnerabilities, attacks and countermeasures for multi-hop wireless networks, Wireless switching and routing techniques, MAC protocols for ad hoc and sensor networks, Routing in multi-hop, mesh and sensor networks, Algorithm and modelling for localization, Energy saving protocols, Wireless mesh network testbed design and measurements, Emerging Wireless Networking Architecture, Power Control Algorithms, Traffic Management, Wireless Capacity Analysis, Multiple and wireless access techniques, Mobile Internet and Mobile IP techniques, Signaling for integrated wire-line/wireless networks, Handoff protocols & management, Multi-protocol architectures and devices, Mobility, location and handoff management, QoS routing in wireless networks, End-to-End QoS, Wireless services and applications, Proxies and middleware for wireless networks, Performance of E2E protocols over wireless networks, Wireless Multimedia, Wireless network security and privacy, Terrestrial-satellite integration scenarios & techniques, Wireless system optimization techniques, Wireless and mobile networked applications, multimedia QoS support and middleware, Wireless multimedia services and applications, Wireless service discovery, Mobile network service generation, Novel mobile-centric applications, Service portability across homogeneous and heterogeneous networks, Authentication, authorization and accounting, Application oriented network management, Service mobility techniques, Cross-layer design and optimization, Location and context aware services, Pervasive and wearable computing

## Future ICC's and GC's

◆ Globecom 2008 (1–4 Dec) – New Orleans, USA

GC'08 WCS Co-Chairs

- Dennis Goeckel, University of MA, Amherst, MA, USA
- Brian Hughes, NC State University, NC, USA
- Zhengdao Wang, Iowa State University, IA, USA
- Xi Zhang, TA&MU, TX, USA

GC'08 WNS Co-Chairs

- Weihua Zhuang, University of Waterloo, CANADA
- Jelena Masic, University of Manitoba, Canada
- Jing Deng, University of New Orleans, USA
- Murat Alanyali, Boston University, MA, USA

◆ ICC 2009 (14–18 June) – Dresden, Germany

◆ Globecom 2009 (30 Nov – 4 Dec) – Honolulu, Hawaii

◆ ICC 2010 – Cape Town, South Africa

## WCNC Steering Committee 2006 – 2008

- ◆ Roberto de Marca, Chair
- ◆ Hamid Aghvami
- ◆ Khaled Ben Letaief
- ◆ Gerry Flynn
- ◆ Lajos Hanzo
- ◆ Jerry Gibson
- ◆ Abbas Jamalipour
- ◆ Werner Mohr
- ◆ Gordon Stuber
- ◆ Moe Win
- ◆ Halim Yanikomeroglu

## WCNC 2007



## Record number of paper submissions

- ◆ Record total of 1721 submissions!!
- ◆ Conference divided into three Program tracks
  - Phy/MAC- 956 submissions
  - Networking- 568
  - Applications and Services- 197
- ◆ Venue extended to 2 hotels (Sheraton and Peninsula)
  - Allowed 16 parallel sessions
  - 835 papers accepted (including 100 posters for first time)
  - 48.5% acceptance rate
- ◆ TPC membership
  - Around 400 members used in total!

## Many records were broken!

- ◆ Record 1721 submissions
- ◆ Record 835 papers accepted
- ◆ Record number of attendees >950
- ◆ 8 patrons and sponsors
- ◆ 42 student helpers from HKUST
- ◆ Extremely healthy profit (>US\$200k)
- ◆ 3 lunches and banquet included in normal registration
- ◆ Keynote speakers included:
  - Leonard Kleinrock, Professor of UCLA
  - Wu Hequan from the Chinese Academy of Engineering
  - Dr Young Ky Kim, from Samsung
  - Jin-Fu Chang from National Chi Nan University
  - Nambi Seshadri from Broadcom

# Wireless Communications Technical Committee (WTC) Meeting Organization

25 June 2007, Glasgow, Scotland, UK

## General Chairs

Khaled Ben Letaief

*Hong Kong University of Science and Technology*

Chih-Lin I

*Hong Kong Applied Science and Technology Institute*

## Technical Program Committee

Ross Murch, *Chair*

*Hong Kong University of Science and Technology*

Sonia Aïssa, *PHY/MAC Program Chair*

*INRS-EMT, University of Québec*

Chengshan Xiao, *PHY/MAC Program Chair*

*University of Missouri*

Sherman Shen, *Networks Program Chair*

*University of Waterloo*

Hsiao-Hwa Chen, *Networks Program Chair*

*National Sun Yat-sen University*

Mohsen Guizani, *Service & Applications Program Chair*

*Western Michigan University*

Yacine Atif, *Service & Applications Program Chair*

*Massey University*

WTC Meeting held at ICC07

## Tutorials Chair

Leonard J. Cimini, *cimini@ece.udel.edu*

*University of Delaware*

Li Ping, *eping@cityu.edu.hk*

*City University of Hong Kong*

Ye (Geoffrey) Li, *lye@ece.gatech.edu*

*Georgia Institute of Technology*

## Technology & Business Panels Chairs

Andreas F. Molisch,

*Mitsubishi Electric/Lund University*

T. S. Ng,

*University of Hong Kong*

Wing Wong

*Chinese University of Hong Kong*

Qian Zhang,

*Hong Kong University of Science and Technology*

## Local Arrangement Chair

Ricky Kwok *University of Hong Kong*

## Publicity Chair

Boon Sain Yeo

*Wavex Technologies Pte Ltd*



# Wireless Communications Technical Committee (WTC) Meeting

25 June 2007, Glasgow, Scotland, UK

We all had a good time!



## Overall

- ◆ All and all, WCNC'2007 has been simply ***outstanding*** and a ***memorable*** experience that the conference attendees will never forget.
- ◆ Conference report in Commag:
  - IEEE Communications magazine, May 2007, pp6-8

## PIMRC'07, Athens Hilton, 3-7 September 2007

### ◆ General Chair:

**Prof. Emmanuel N. Protonotarios – National Technical University of Athens, Greece**

### ◆ Technical Programme Committee Chair Jorge Pereira – EC DG-INFOS

### ◆ Web page: <http://www.pimrc2007.org/>

**Full papers due: March 3rd, 2007**

**Acceptance notice: May 31st, 2007**

**Final manuscript due: June 16th, 2007**

## IEEE Wireless Communications & Networking Conference (WCNC) 2008

- ◆ 30 March – 3 April 2008, Las Vegas, USA
- ◆ General Chair: Hakan Eriksson, CTO, Ericsson
- ◆ Executive Chair: David Falconer, Carleton U, Canada
- ◆ Vice Chair: Jan Farjh, Vice President, Ericsson
- ◆ Technical Program Chair: Halim Yanikomeroglu, Carleton U, Canada
- ◆ Technical Papers – submission deadline: 20 September 2007
  - PHY
  - MAC
  - Networks
  - Services
- ◆ Business Application Sessions & Panels
- ◆ Leading researchers as Invited Speakers in select sessions
- ◆ One free tutorial for every registration
- ◆ Collocated with CTIA Wireless 2008 – world's largest wireless show  
→ free admission to CTIA Exhibition

## International Symposium on Wireless Pervasive Computing 2007 (ISWPC 2007)

5-7 February 2007, San Juan, Puerto Rico

### ◆ General Chair

- Yi Qian, University of Puerto Rico at Mayagüez, Puerto Rico

### ◆ General Co-Chairs

- Boon Sain Yeo, WaveX Technologies, Singapore
- Woon Hau Chin, Institute for Infocomm Research, Singapore

### ◆ TPC Chair

- Sastri Kota, Harris Corporation, USA

### ◆ TPC Co-Chairs

- Giovanni Giambene, University of Siena , Italy
- Kejie Lu, University of Puerto Rico at Mayagüez, Puerto Rico

### ◆ Finance Chair

- Yi Qian, University of Puerto Rico at Mayagüez, Puerto Rico



## International Symposium on Wireless Pervasive Computing 2007 (ISWPC 2007)

- ◆ 49 TPC members
- ◆ 209 submitted papers:
  - 90 accepted for oral presentations
  - 42 accepted for poster presentations
  - Average score of accepted papers: 3.2 out of 5
  
- ◆ 3 Plenary Speakers
  - **Dr. Victor Bahl**, Microsoft Research
    - Wireless Networks – What's Next?
  - **Professor Kaveh Pahlavan**, Worcester Polytechnic Institute
    - RF Localization and Internet of Things
  - **Professor Sajal K. Das**, The University of Texas at Arlington
    - Context Modeling in Smart Environments: A Perspective from Pervasive Computing
  
- ◆ 1 Panel
- ◆ 1 Workshop

## WTS 2007

- ◆ April 26-28, 2007 – Kellogg West Conference Center, Cal Poly Pomona, Pomona, California
- ◆ Interdisciplinary Wireless Communications Conference Co-Hosted by College of Business and College of Engineering at Cal Poly Pomona
- ◆ Co-Sponsor: IEEE Communications Society
  - Technical Co-Sponsors: INFORMS Telecommunications Section In Cooperation With ACM SIGMOBILE
  - Contributors: IEEE Communications Society Foothill and Los Angeles Chapters
- ◆ General Chair: Steven Powell, Cal Poly Pomona
- ◆ Advisory Committee Chair: JP Shim, Mississippi State University
- ◆ Program Committee:
  - Co-Chairs: Michael Bartolacci (PennState); Katia Passerini (NJIT)
  - Proceedings Editor: Karen Patten (South Carolina)
  - Seven Tracks (5 Technology & 2 Business) in Accepted Paper Session
  - 135 Papers Submitted
  - 46 Papers Accepted for Publication

## WTS 2007

- ◆ 38 Invited Speakers From Industry, Academia, and Government
- ◆ IEEE Communications Society Welcoming Dinner Speaker
  - **Dr. Vinton G. Cerf**, Vice President and Chief Internet Evangelist, Google
- ◆ Featured Speakers:
  - **Michael Gallagher**, Partner, Perkins Coie LLP, Former Assistant Secretary of Commerce for Communication and Information and Director of the National Telecommunications and Information Administration
  - **John Muleta**, Co-Founder, M2Z Networks, Former Chief of the FCC's Wireless Telecommunications Bureau
  - **Dick Lynch**, Executive Vice President & CTO, Verizon Wireless
  - **Kristin Rinne**, Senior Vice President – Architecture & Planning, AT&T
  - **Ali Tabassi**, Vice President, Technology Development. Sprint Nextel Corp.
- ◆ Panel Discussions:
  - Future Directions in Wireless Communications Research
  - The Future of Deep Space Communications
  - Wireless Network Security
  - Mobile Wireless Communications Services and Business
  - New Ventures & Investments in Wireless Communications
  - Wireless Communications Business Strategy
  - Advances in Satellite Communications
- ◆ Tutorials and Workshops
  - Portable Communications Networks
  - Wireless Network Security
- ◆ Tour & Reception at Universal Studios Hollywood



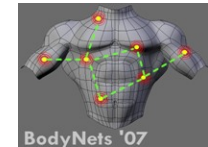
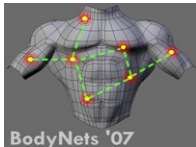
## CNSR 2007, May 14-17, Fredericton, Canada

- ◆ Objective: Technical papers, posters and tutorials describing original research in the field of communication networks and services
- ◆ Organizers:
  - David D. Falconer, Carleton University, Honourary Conference Chair
  - Brent R. Petersen, University of New Brunswick, Conference General Chair
  - John M. DeDourek, University of New Brunswick, Conference Program Chair
  - Bruce G. Colpitts, University of New Brunswick, Technical Program Co-chair
  - Aladdin Saleh, Bell Canada, Technical Program Co-chair
  - Mary E. Kaye, Conference Tutorial Chair
  - Nidal Nasser, University of Guelph, Conference Publicity Co-chair
  - Susumu Yoshida, Kyoto University, Conference Publicity Co-chair
  - Diane Saurette, University of New Brunswick, Publication Chair
  - Mark J. Dowe, University of New Brunswick, Webmaster
- ◆ CNSR 2007 Steering Committee:
  - Jalal Almhana, Université de Moncton
  - Zhizhang (David) Chen, Dalhousie University
  - Ali A. Ghorbani, University of New Brunswick
  - Jacek Ilow, Dalhousie University
  - Bernd J. Kurz, University of New Brunswick
  - Bradford G. Nickerson, University of New Brunswick
- ◆ Web: <http://www.cnsr.info/cnsr2007/>
- ◆ Location: May 14-17, 2007, Delta Fredericton Hotel, Fredericton, New Brunswick, Canada

## CNSR 2007, May 14-17, Fredericton, Canada

### Summary

- ◆ Number of TPC members: 79
- ◆ Number of reviewers: 104
- ◆ Number of manuscripts submitted: 102, from 28 countries
- ◆ Number of reviews: 281
- ◆ Average number of reviews per paper: 283/102, at least 2 reviews per paper
- ◆ Number of accepted papers: 54, of which 3 were posters
  - North America 50 %
  - Europe, Middle East, Africa 34 %
  - Asia/Pacific 15 %
  - Latin America 01 %
- ◆ Acceptance rate: 53 %
- ◆ Number of sessions: 14, with two parallel sessions
- ◆ Keynotes:
  - David D. Falconer, Carleton University, “Air Interfaces For Future-Generation Cellular Wireless Systems”
  - Norm Lo, Research In Motion, “BlackBerry Success and Growth: Asia Pacific”
  - Gregory J. Pottie, UCLA, “Sensor Networks For Environmental Monitoring”
- ◆ Tutorials: 4
- ◆ Attendees: 106
- ◆ Banquet talk: Sharon Morrow of the Alexander Graham Bell National Historic Site of Canada
- ◆ DOI link: <http://dx.doi.org/10.1109/CNSR.2007.17>
- ◆ OPAC link: <http://ieeexplore.ieee.org/servlet/opac?punumber=4215472>



# BodyNets 2007

*Second International Conference on Body Area Networks*  
[www.bodynets.org](http://www.bodynets.org)

**Convitto della Calza, Florence**  
**June 11<sup>th</sup> 13<sup>th</sup>, 2007**

## BodyNets Conference Goal

- ◆ **General Chair: Prof. Romano Fantacci**, University of Florence, Italy
- ◆ **Bring together researchers in the areas of:**
  - Body Area Network (BAN) communication protocols and networking
  - Hardware for BAN
  - BSN and Human Computer Interaction
  - Context Awareness and activity recognition
  - Personal Sensor Network: Tools and Applications
- ◆ Submitted papers: 51
- ◆ Accepted papers (three independent reviews per paper): 21
- ◆ Accepting ratio: 41%
- ◆ Participants: 50

## BodyNets Conference Technical Program

### ◆ **The conference will last 2.5 days, with:**

- 6 technical sessions on specific topics
- 2 work in progress sessions
- 1 panel session

### ◆ **As part of the conference:**

- A keynote speech by Joe Paradiso (Media Lab) entitled:
  - *From the Ball Field to the Dance Hall - A Decade of Body Sensor Networks in Medicine, Sports, Entertainment, and the Arts*
- Three invited papers by the groups of:
  - Prof. Guang-Zhong Yang (ICL),
  - Paul Lukowicz (Univ. of Passau)
  - Majid Sarrafzadeh (UCLA)

## MM-CSC 2007

Mosharaka Multi-Conference on Communications, Signals and Control  
Amman – Jordan, 8-9 June 2007

**This conference was held at Holiday Inn Amman.**

### ◆ General Chair:

- Mohammad M. Banat, JUST, Jordan

### ◆ Organizing Committee:

- Mohammad M. Banat, Chair, JUST, Jordan
- Jaser Mahasneh, Mosharaka, Jordan
- Carlos E. Palau, UPV, Spain
- Mohamed Nezami, PSUT, Jordan
- Iyad Al Khatib, KTH, Sweden

### ◆ TPC Chair:

- Mohammad M. Banat, JUST

## ◆ MM-CSC 2007 Authors of Accepted Papers:

■ Europe, Middle East, Africa	75.0%
■ Asia/Pacific	18.2%
■ North America	4.5%
■ Other	2.3%

◆ TPC Members:	146
◆ Reviewers:	338
◆ Average score of accepted papers:	3.0/5.0
◆ Acceptance rate:	35/59 (59.3%)

## ◆ Plenary:

- Speaker: M. A. Lagunas, Director, CTTC, Barcelona, Spain
- Title: Antenna Arrays: What Does it Mean A Good Channel?

## Fourth International Conference on Wireless and Optical Communications Networks – The Next Generation Networks

WOCN 2007, July 2, 3 and 4, 2007, Grand Hyatt Singapore

### -Technical Sessions

-**Fourteen Sessions** -Two parallel tracks

### - Panels

- **Panel Title:** Low Cost Mobile Applications and Architectures in the Developing Countries - Finding Solutions to the Problems of Evolution and Migration Path for a Mobile Planet
- **Panel Title:** Compact Waveguide Devices and Switching Implementation in Optical Network

### - Keynote speech

-**Keynote Speech:** Dr. TAN Geok Leng, Chief Technology Officer and Senior Director Technology and Planning Group, Infocomm Development Authority IDA of Singapore

### - Four Tutorials

- Title:** From Opacity to Transparency via Translucent Optical Networks
- Title:** Next Generation Cellular Networks
- Title:** Optical Communications Networks and Devices
- Title:** WiMax System and Mobility Supports

### -WOCN2007 Committee:

- General Chair:** Professor Guy Omidyar, Omidyar-Institute USA
- Conference Vice Co-Chairs:** Professor Daehyoung Hong, Sogang University, ieee ComSoc Asian Pacific board director, Seoul, Korea and Dr. Surendra Pal, ISRO Satellite Centre, India
- Technical Program Co-Chairs:** Professor Naoaki Yamanaka, Keio University, Japan
- Professor Maurice Gagnaire, ENST, France
- Professor Alok Kumar Das, Jadavpur University, India
- Professor Asoke Talukder, IIIT, Bangalore, India
- Associate Professor Ping Shum, Nanyang Technological University, Singapore
- Professor Azzedine Boukerche, University of Ottawa, Canada
- Assistance Professor Dimitris Varoutas, University of Athens, Greece
- Associate Professor Vincent Guyot, ESIEA/LIP6, France



## QShine 2007: Fourth International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness *Vancouver, BC, Canada, 14-17 August, 2007*

- ◆ Web site: [www.qshine.org](http://www.qshine.org)
- ◆ Location: The Empire Landmark Hotel and Conference Centre, 1400 Robson Street
- ◆ Early registration deadline: 14 July, 2007
- ◆ 69 TPC members
- ◆ 109 papers submitted, 55 (including 7 invited) papers accepted for presentation
- ◆ 3 Keynote Speakers
  - **Dr. Victor Bahl**, Microsoft Research
  - **Dr. P. R. Kumar**, University of Illinois at Urbana-Champaign
  - **Dr. Kang G. Shin**, The University of Michigan
- ◆ 1 Industry Panel
- ◆ 5 Workshops
  - International Workshop on Cognitive Wireless Networks
  - International Workshop on Mobile Content Quality of Experience
  - International Workshop on Wireless Networking for Intelligent Transportation Systems
  - International Workshop on Artificial Intelligence in Grid Computing
  - International Workshop on Satellite/Terrestrial Interworking

## QShine 2007: Fourth International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness Vancouver, BC, Canada, 14-17 August, 2007

- ◆ General Chair
  - Victor Leung, The University of British Columbia, Canada
- ◆ General Co-Chair
  - Sastri Kota, Harris Corporation, USA
- ◆ TPC Co-Chairs
  - Jelena Mistic, University of Manitoba, Canada
  - Guoliang Xue, Arizona State University, USA
- ◆ Publication Chair
  - Qian Zhang, Hong Kong University of Science and Technology, China
- ◆ Publicity Chair
  - Xi Zhang, Texas A&M University, USA
- ◆ Workshop Chair
  - Giovanni Giambene, University of Siena, Italy
- ◆ Poster Chair
  - Ekram Hossain, University of Manitoba, Canada
- ◆ Local Arrangement Chair
  - Lin Cai, University of Victoria, Canada
- ◆ Sponsorship and Panel Chair
  - Panos Nasiopoulos, The University of British Columbia, Canada
- ◆ Steering Committee Co-chairs
  - Imrich Chlamtac, CREATE-NET
  - Yugang Fang, University of Florida, USA
  - Sherman Shen, University of Waterloo, Canada
- ◆ Sponsors
  - International Communication Sciences and Technology Association (ICST)
  - CREATE-NET
- ◆ Finance Chair
  - Karen Decker, International Communication Sciences and Technology Association (ICST)
- ◆ Conference Coordinator
  - Kitti Kovacs, International Communication Sciences and Technology Association (ICST)
- ◆ Technical Co-sponsor
  - IEEE ComSoc
- ◆ In Cooperation with
  - ACM SIGMM
  - ACM SIGMOBILE
  - ACM SIGSIM
- ◆ Corporate Sponsors
  - LG Electronics
  - Nokia

## 2nd European Conference on Smart Sensing and Context (EuroSSC 2007)

- ◆ October 23-25, 2007 in Kendal, UK (Lake District)
- ◆ Organized by Lancaster University (<http://www.eurossc.org>)
- ◆ Proceedings to be published by Springer LNCS
- ◆ Conference theme
  - Technical and human aspects of smart surroundings involving networked embedded sensing systems and intelligent objects
  - System aspects: concerning intelligent sensors, sensor networks and information processing for a new generation of networked devices and intelligent environments.
  - Human aspects: exploring scenarios, applications and interaction methods for context-aware and pro-active applications made possible by the diffusion of ambient communication, cooperating objects, and interaction technologies.
- ◆ Topics of Interest
  - Intelligent sensors & sensor networks; Context awareness; Information aspects of context & smart surrounding; Design & engineering methods; Interaction methods; Applications, test beds & case studies

## 2nd European Conference on Smart Sensing and Context (EuroSSC 2007)

- ◆ General Chair: Gerd Kortuem, Lancaster University, UK
- ◆ Programme Chairs
  - Joe Finney, Lancaster University, UK
  - Rodger Lea, University of British Columbia, Canada
  - Vasughi Sundramoorthy, Lancaster University, UK
- ◆ Steering Committee (partial)
  - Paul Havinga, University of Twente, the Netherlands
  - Maarten Wegdam, Alcatel-Lucent/Bell Labs
- ◆ Programme Committee
  - 46 members from Australia, Austria, Belgium, Canada, China, Finland, France, Germany, Ireland, Japan, Korea, Netherlands, Norway, Romania, Singapore, Switzerland, UK, USA.
- ◆ Important Dates:
  - Full paper submission: 25 June 2007
  - Research demos submission: 10 July 2007
  - Posters submission: 10 July 2007

*Innovations in Information Technology (Innovations'07) –  
Dubai, Nov. 18-20, 2007 – website: <http://www.it-innovations.ae/>*

**Organizing Committee:**

◆ **GENERAL CO-CHAIRS**

*Abdallah Al Khanbashi, Provost, UAE University, UAE  
Rafic Makki Dean, College of IT, UAE University, UAE*

◆ **PROGRAM COMMITTEE CO-CHAIRS:**

*Farag Sallabi, College of IT, UAE University, UAE  
Abderrahmane Lakas, College of IT, UAE University, UAE*

◆ **TRACK CO-CHAIRS**

▪ **Information & Communication Technologies**

*Mohamed-Slim Alouini, Texas A&M, Qatar  
Mohamed El-Tarhuni, American University of Sharjah, UAE*

▪ **Web Applications & Services**

*Brian Corbitt, RMIT University, Australia  
Beverley Hope, College of IT, UAE University*

▪ **Computing & Information Systems**

*Tarik Taleb, Tohoku University, Japan  
Farid Meziane, Salford University, UK*

▪ **Pervasive & Ubiquitous Environments**

*Rachida Dssouli, Concordia University, Canada  
Madjid Merabti, John-Moore Liverpool Univ., UK*

▪ **TUTORIAL CO-CHAIRS**

*Habib Hamam, University Moncton, Canada  
Mohamed Adel Serhani, UAE University*

*Innovations in Information Technology (Innovations'07) –  
Dubai, Nov. 18-20, 2007 – website: <http://www.it-innovations.ae/>*

- ◆ 60 TPC members
- ◆ 400+ expected submitted papers:
  
- ◆ **Tracks:**
  - Information and Communication Technologies
  - Web Applications and Services
  - Computing and Information Systems
  - Pervasive and Ubiquitous Computing
  
- ◆ **Workshop:**
  - The Gulf International Workshop on Computer and Networking Security

## TCPC Endorsements and ComSoc Sponsorships

### Technical Committee Clusters:

#### ◆ COMMUNICATION SOFTWARE & SERVICES (CS&S)

- Communications & Information Security      Communications Software
- Information Infrastructure      Multimedia Communications
- Network Operations and Management

#### ◆ COMMUNICATIONS/SIGNAL PROCESSING (C/SP)

- Broadband Over Power Lines,      Communication Theory
- Radio Communications,      Satellite and Space Communications
- Signal Processing and Communications Electronics
- Signal Processing for Storage,      Transmission, Access and Optical Systems

#### ◆ NETWORKING (NET)

- Ad Hoc & Sensor Communications & Networks
- Communications Switching & Routing,      Computer Communications
- High-Speed Networking,      Internet,      Optical Networking

#### ◆ VERTICAL ISSUES IN COMMUNICATION SYSTEMS (VICS)

- Communications Quality and Reliability,
- Communications Systems Integration & Modeling,      Enterprise Networking,
- **Wireless Communications**,      Tactical Communications

## TCPC Endorsements and ComSoc Sponsorships (cont'd)

### ◆ CRITERIA FOR COMSOC APPROVAL:

- 1) The event must be relevant to Communications Society members.
- 2) The event must have the endorsement of a Communications Society technical committee.
- 3) The event is financially viable and sustainable (for financially-cosponsored events).
- 4) The event is synergistic with other Communications Society conferences and is not in competition with them.
- 5) Copyright to all publications in connection with event should be held by IEEE- per the policies
- 6) The event enhances the Communications Society's relationship with a Sister Society.
- 7) The event serves a geographic area of interest to ComSoc.
- 8) The event helps achieve the strategic goals of the society.



## TCPC Endorsements and ComSoc Sponsorships

### ◆ DEFINITION OF TC ENDORSEMENT:

IEEE Communications Society policy requires that all technically or financially sponsored events be endorsed by an appropriate ComSoc Technical Committee. Technical Committees can endorse, but not sponsor, a meeting or event. Sponsors are those non-profit organization(s) assuming financial liability for an event.

### ◆ TC ENDORSEMENT GUIDELINES:

- a) The Event has a TPC that conducts independent, peer review for paper selection.
- b) The Event is in a technical area related to the endorsing TC's interests.
- c) At least one TC member must be on the Event's TPC and actively involved in the development of its program.
- d) The Event's designated TC representative agrees to report to the TC about the Event.
- e) The TC's Event representative assumes significant responsibility for the overall quality of the Event's technical program.

## TCPC Endorsements and ComSoc Sponsorships (cont'd)

- ◆ TC endorsement is only one of the approval criteria of ComSoc
- ◆ Final decision is made by ComSoc (not TCs)
  
- ◆ ComSoc decision not made:
  
- ◆ ComSoc rejected the sponsorship applications of the following conferences (which were endorsed by TCPC):
  - EW'07
  
- ◆ Rejections are **not** due to lack of technical strength

## GITC Updates

- ◆ Future Globecom and ICC conferences to have stable symposia:
  1. General Conference
  2. Communication Theory
  3. Signal Processing
  4. Communication Software and Services
  5. Optical Networks,
  6. Performance Modeling, QoS,
  7. Wireless Communications
  8. Wireless Networking
  9. Ad-Hoc and Sensor Networks
  10. Next Generation Network & Internet,
  11. Communication and Information Security (under consideration)

## Announcements

- ◆ Next WTC meeting: at GC'07 in Washington DC, USA (Dec. 2007)

## Other Business

- ◆ ...