

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

Meeting held at ICC 2008

Beijing, China

Crowne Plaza

Room: Yue Feng Ge Restaurant

Thursday, 22 May 2008

12:30 – 13:45

## Proposed New Agenda

- ◆ 1. Welcome
- ◆ 2. Minutes of the WTC meeting held at GC'07
- ◆ 3. [WTC mission and current status](#)
- ◆ 4. 2007 WTC recognition awards presentation
- ◆ 5. ComSoc Wireless Communications Engineering Technology Certification program (by Celia Desmond)
- ◆ 6. Conference Reports
- ◆ 7. WTC endorsement and ComSoc sponsorship policies
- ◆ 8. Other business
- ◆ 9. Adjournment

## Minutes of WTC meeting held at GC'07

- ◆ 11:50-14:00, Thursday, 29 November 2007, International Back Terrace, Hilton Hotel, Washington DC, USA
- ◆ Meeting Chair: Chengshan Xiao (WTC Chair)
- ◆ Attendees: 104 people

Valentine Aalo, Farid Nait Abdesselam, Mohamed Ahmed, Najah Abu Ali, Nirwan Ansari, Nallanathan Arumugam, Amir Askarian, Mohammed Atiquzzaman, Leonardo Badia, Nizar Bouabdallah, Hsiao Hwa Chen, Jinho Choi, Song Ci, Lain Collings, Andrea Conti, Celia Desmond, Zhi Ding, Arjan Durrezi, George Efthymoglou, Romano Fantacci, Vasilis Friderikos, Shengli Fu, Jerry Gibson, Mohsen Guizani, Karama Hamdi, Walaa Hamouda, Zhu Han, Hossam Hassanein, Robert Heath, Mostofa Howlader, Mohamed Ibnkahla, Andrzej Jajszczyk, Abbas Jamalipour, Pooi Yuen Kam, Nei Kato, Sang Wu Kim, Dong In Kim, Andres Kwasinski, Lutz Lampe, Rami Langar, Khaled B. Letaief, Yonghui Li, Ye(Geoffrey) Li, Cheng Li, Teng Joon Lim, Qing Ling, Huaping Liu, Sergey Loyka, Kejie Lu, Yao Ma, Haifa Maamar, Anahit Martirosyan, Saleh Mneina, Seshadri Mohan, Yashiaki Nemoto, Ping Chung Ng, Zhisheng Niu, Guy Omidyar, Yi Qian, Erik Perrins, Ted Rappaport, Michael Rice, Luca Rugini, Samer Samarah, Dilip Sarkar, Robert Schober, Sana Sfar, Abdallah Shami, Jian Song, Anthony Soong, Gordon Stuber, Heinrich Stuttgen, Weifeng Su, Dan K. Sung, Shigang Tang, Daniele Tarchi, Velio Tralli, Sennur Ulukus, Rath Vannithamby, Zhengdao Wang, Jintao Wang, Pu Wang, Xianbin Wang, Thomas Watteyne, Steve Weinstein, Moe Win, Vincent Wong, Jingxian Wu, Xiang-Gen Xia, Chengshan Xiao, Yang Xiao, Guoliang(Larry) Xue, Zhiyuan Yan, Hong-chuan Yang, Halim Yanikomeroglu, Aylin Yener, Mohamed Younis, Ming Yu, Jinhong Yuan, Wei Zhang, Qian Zhang, Baoxian Zhang, Rosa Zheng, Jun Zheng.

## Minutes of WTC meeting held at GC'07

- ◆ The meeting started by a welcome message from the WTC Chair, Chengshan Xiao. Then, the agenda was discussed and approved unanimously.
- ◆ Chengshan reported that our meeting had a number of special guests/attendees including two ComSoc past presidents, one newly elected ComSoc vice president, 6 ComSoc board of governors, GITC chair and members. Most of them skipped other meetings to come attending our meeting. Their efforts and supports were highly appreciated.
- ◆ Chengshan then reported the Committee name change to better reflect the work/activities of the committee. He mentioned that the decision was supported by all related sister TCs and approved by IEEE ComSoc. He then highlighted the changes and the reasons behind them. He especially appreciated Prof. Sergio Benedetto (VP-TAC), Prof. Khaled B. Letaief (BoG, EiC of TWireless), Prof. Abbas Jamalipour (EiC of IEEE Wireless Communications), Prof. Halim Yanikomeroglu (past TCPC chair), Prof. H.H. Chen (RCC chair), and Prof. Mario Marchese (SSC chair) for their supports on the name change. Then, reviewed the functions and mission of the WTC.
- ◆ Chengshan reported the WTC positive impact on many of ComSoc Conferences and Journals. After which he also discussed other activities that the WTC takes care of such as: nomination for IEEE Awards, ComSoc Awards, endorsement of IEEE Fellow and Senior Membership elevations, and nomination for ComSoc Distinguished Lecturers.
- ◆ Chengshan then discussed the WTC Recognition Award that the committee chose to two outstanding members this year, and the winners were:
  - ◆ Prof. Lajos Hanzo, University of Southampton, UK, and
  - ◆ Prof. Gordon Stuber, Georgia Institute of Technology, USA
- ◆ The WTC award committee Chair, Prof. Halim Yanikomeroglu, along with Chengshan presented the award plaque to Prof. Gordon Stuber. (Prof. Lajos Hanzo will receive his plaque at ICC08).
- ◆ Chengshan displayed pictures of WCNC07 that was held in Hong Kong March 2007, and Halim presented a plaque of appreciation to the students of the CenWIT of HKUST, who made significant contributions and helped in organizing an excellent WCNC in 2007.

## Minutes of WTC meeting held at GC'07

- ◆ The past ComSoc president, Celia Desmond, presented the IEEE ComSoc Wireless Communications Engineering Technology Certification Program. Then, she gave details on the program and announced that ComSoc is preparing the exams. She asked volunteers to contribute to exam writing.
- ◆ Prof. Andrzej Jajszczyk, the newly elected Vice- President of TAC, was invited to give a speech to the audience.
- ◆ Dr. Heiner Stuttgart, the GITC Chair, was invited to update the attendees about the GITC activities, such as the agreed list of standardized symposia for future GCs and ICCs, and related matters.
- ◆ Chengshan briefly summarized the conference activities, which were sponsored by WTC, and invited a number of symposium co-chairs to report their symposia.
- ◆ Prof. Maria Luisa Merani reported Globecom 2007 – Wireless Communications Symposium.
- ◆ Prof. Abbas Jamilipour reported Globecom 2007 – Wireless Networking Symposium.
- ◆ Prof. Hsiao-Hwa Chen reported Globecom 2007 – Ad Hoc and Sensor Networks Symposium.
- ◆ Prof. Aylin Yener reported ICC 2008 – Wireless Communications Symposium.
- ◆ Prof. Qian Zhang reported ICC 2008 – Wireless Networking Symposium.
- ◆ Chengshan reported future ICCs and Globecom and the symposium co-chairs teams.
- ◆ Halim reported WCNC 2008.
- ◆ Dr. Thomas Watteyne reported PIMRC 2008.
- ◆ Finally, Chengshan announced that the next WTC meeting will take place in ICC'08 that will be held in Beijing, China, May 19-23, 2008.
- ◆ Formal meeting was adjourned @ 1:25 PM, followed by informal social activities.
- ◆ **Acknowledgment:** this meeting was highly supported by ComSoc with a prior arrangement. Ms. Debora Kingston and Ms. Phyllis O'Neill were on site to make sure every attendee has a seat at the meeting. Their efforts are much appreciated.
- ◆ **Note:** the meeting presentation slides are available at <http://bcr.uwaterloo.ca/~wtc/>

## IEEE ComSoc Wireless Communications Technical Committee (WTC)

### 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 ~650 members
- ◆ WTC has two formal meeting a year at ICC and Globecom
  
- ◆ **Present Officers** (1 Jan 2007 - 31 December 2008)
  - Chair: Prof. Chengshan Xiao, Missouri U. of Sci. & Tech, USA
  - Vice-Chair: Prof. Mohsen Guizani, West Michigan Univ., USA
  - Secretary: Prof. Sherman Shen, Univ. of Waterloo, Canada
  
- ◆ **Past Chairs (TCPC)**
  - 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

## WTC Impact on Major Conferences

### ◆ Globecom and ICCs (GICCs)

- Wireless Communications Symposium (WCS)
  - 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
- Wireless Networking Symposium (WNS)
- Ad hoc and Sensor Networks Symposium
- Communications Theory Symposium (ICC 2009)
- Signal Processing for Communications Symposium (ICC2009)

### ◆ 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 TCPC/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.



## WTC Impact on Journals

- ◆ A high number of WTC active members are highly visible at ComSoc and GICCs
  - Board on Governors, etc.
  - WTC active members served/serve as Globecom06, Globecom07, ICC08, ICC10 TPC Co-chairs
- ◆ WTC endorses a high number of wireless events, and actively contributes to their organization.
- ◆ 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
  - Six Area Editors of TWireless are WTC members.
  - Many Editors of TWireless and TComm are WTC members.
  - Mohsen and Sherman are serving as EiC for non-IEEE Journals.

## WTC Other Accomplishment:

### ◆ Nomination for IEEE/ComSoc Award:

- WTC nominated Prof. Khaled Ben Letaief for ComSoc Publication Service Award

### ◆ Endorsement for IEEE Fellow and Senior Member:

- WTC endorsed one active members for IEEE Fellow in 2008.
- WTC endorsed 3 active members for IEEE Senior member grade in 2008, and all of them got it.

### ◆ Nomination for ComSoc Distinguished Lecturers:

- WTC nominated 4 active members for DL in 2007, 2 got it.

Note: the people who were noted in April did not get it, they were possibly not considered in the meeting at Feb/March.

## 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
  - ...

## WTC Recognition Award

- ◆ **Prize:** A recognition plaque.
- ◆ **Basis for Judging:** A person with a high degree of visibility and contribution in the field of “Wireless and Mobile Communications Theory, Systems and Networks”.
- ◆ **Presentation:** Annually. No more than two awards will be given per year.
- ◆ **Nomination:** Nomination are solicited from WTC members. The nomination should include a (short) sentence for "what service or accomplishment" the person is nominated for and a one page supporting material. Additionally, letters supporting the nomination may be sent to the WTC Award Committee Chair (together with the nomination or separately). Award Committee members may not be nominated.
- ◆ **TCPC Recognition Award Committee:** The Award committee will have 5 members as follows:
  - Chair: Past WTC/TCPC Chair
  - Members:
    1. Current WTC Chair
    2. 2<sup>nd</sup> Past WTC/TCPC Chair
    3. 3<sup>rd</sup> Past WTC/TCPC Chair
    4. WTC Member (appointed by the WTC Chair for one year; renewable for a maximum of one year)

## 2007 WTC Recognition Award

### ◆ Previous Award Winners

- 2006: Prof. Vijay Bhargava, University of British Columbia, Vancouver, Canada
- Prof. Robert De Marca, CETUC, Pontifical Catholic Univ., Rio de Janeiro, BRAZIL
- 2005: Prof. Hamid Aghvami, King's College, London, UK
- Dr. Justin C-I Chuang, Broadcom, USA
- 2004: Prof. Steve Rappaport, State University of New York, USA
- 2003: Prof. Ramjee Prasad, University of Aalborg, Denmark
- 2002: Prof. Elvino S. Sousa, University of Toronto, Canada
- Prof. Imrich Chlamtac, University of Texas at Dallas, USA

### ◆ Closing date for nominations: October 2, 2007

- A high number of nominations received

### ◆ 2007 TCPC Recognition Award Committee:

- Chair: Halim Yanikomeroglu – Past TCPC Chair
- Members:
  1. Chengshan Xiao – Current WTC Chair
  2. Khaled Ben Letaief – 2<sup>nd</sup> Past TCPC Chair
  3. Zygmunt Haas – 3<sup>rd</sup> Past TCPC Chair
  4. Jerry Gibson – WTC Member (appointed by the WTC Chair for two years)

## 2007 WTC Recognition Award Winners

◆ **Prof. Lajos Hanzo**

University of Southampton, UK

◆ **Prof. Gordon Stüber**

Georgia Institute of Technology, USA





**The IEEE Wireless Communications Technical Committee (WTC)  
is proud to present the 2007 WTC Recognition Award to**

**Professor Gordon L. Stüber**

**for outstanding technical contributions in the field and  
for service to the scientific and engineering communities**

**Chengshan Xiao  
IEEE WTC Chair  
November 2007**

**Halim Yanikomeroglu  
WTC Award Committee Chair  
November 2007**



**The IEEE Wireless Communications Technical Committee (WTC)  
is proud to present the 2007 WTC Recognition Award to**

**Professor Lajos Hanzo**

**for outstanding technical contributions in the field and  
for service to the scientific and engineering communities**

**Chengshan Xiao  
IEEE WTC Chair  
November 2007**

**Halim Yanikomeroglu  
WTC Award Committee Chair  
November 2007**

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

## Conference Reports

### WTC-sponsored GICC symposia

- ◆ ICC'08 – WCS
- ◆ ICC'08 – WNS
- ◆ GC'08 – WCS
- ◆ GC'08 – WNS

### Future ICCs and GCs

- ◆ ICC'09 – WCS
- ◆ ICC'09 – WNS
- ◆ ICC'09 – ASHS
- ◆ ICC'09 – CTS
- ◆ ICC'09 – SPC
- ◆ GC'09
- ◆ ICC'10

### ComSoc Wireless Events

- ◆ WCNC'08
- ◆ PIMRC'08

## Endorsed by WTC

→ sponsored by ComSoc

- ◆
- ◆ ISWPC'08
- ◆ CNSR'08
- ◆ WTS'08
- ◆ IWSSC'08
- ◆ WOCN'08
- ◆ HPSR'08

Post-conf repts (GC'07-ICC'08)

## ICC 2008, Beijing, CHINA

◆ 19-23 May 2008

◆ <http://www.ieee-icc.org/2008/>

### ◆ Technical Program Co-Chairs:

- Prof. Ke Gong, Tianjing University, China
- Prof. Khaled Ben Letaief, HKUST, China
- Prof. Zhisheng Niu, Tsinghua University, Beijing, China

## Submissions and Acceptance Rates of all Technical Symposia

	Submitted	% of total submissions	Accepted	Acceptance ratio
<b>ICC'08 WCS</b>	<b>986</b>	<b>31.5%</b>	<b>330</b>	<b>33.5%</b>
ICC'08 WNS	615	19.6%	206	33.5%
ICC'08 ANI	193		65	33.7%
ICC'08 CQR	220		74	33.6%
ICC'08 CT	259		87	33.6%
ICC'08 CSS	63		21	33.3%
ICC'08 ONS	157		53	33.8%
ICC'08 SPC	281		93	38.1%
ICC'08 GC	121		41	33.9%
ICC'08 INS	161		54	33.3%
ICC'08 Mini-C	78		27	34.6%
Total	<b>3135</b>		1051	33.6%



## ICC08 Wireless Communications Symposium (WCS)

### ◆ Co-chairs:

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

### ◆ Sponsoring Technical Committees

- WTC, RCC, and P2P Technical Sub-Committee

◆ Technical Program Committee: 240 people invited, 200 people accepted/confirmed, 185 people were highly dedicated.

◆ Each paper was assigned to 3 TPC members, each TPC member provides one review for each paper.

◆ 924 Papers received 3 or more reviews, 56 papers received 2 consistent reviews, 6 papers were rejected with no review due to plagiarism matters.

◆ 7 papers were recommended for best paper awards and 3 of them are selected for best paper awards.

## ICC'08 – Wireless Communications Symposium: the Sessions and the Days 1/3

Day	Time	Plenary
<b>Tue</b>	02:00 PM-03:45 PM	WC-01: OFDMA I WC-02: Multi-user MIMO I WC-03: Adaptive Modulation WC-04: Cognitive Radio I WC-05: WiMAX WC-P01: (P) Medium Access
	04:15 PM-06:00 PM	WC-06: OFDMA II WC-07: Multi-user MIMO II WC-08: Delay Optimal Design WC-09: Cognitive Radio II WC-10: BICM WC-P02: (P) Topics in MC and UWB Communications
<b>Wed</b>	08:30 AM-10:15 AM	WC-11: OFDM I WC-12: MIMO BC WC-13: Opportunistic Scheduling WC-14: Relay Networks I WC-15: UWB I WC-P03: (P) Wireless Systems
	10:45 AM-12:30 PM	WC-16: OFDM II WC-17: MIMO I WC-18: Crosslayer WC-19: Two-way relay networks WC-20: UWB II WC-P04: (P) Wireless Networks I

## GC'07 – Wireless Communications Symposium: the Sessions and the Days 2/3

Day	Time	Plenary
<b>Wed (Cont.)</b>	02:00 PM-03:45 PM	WC-21: Space-Time Coding I WC-22: MIMO II WC-23: Resource Allocation I WC-24: Cognitive Radio III WC-P05: (P) Wireless Networks II
	04:15 PM-06:00 PM	WC-25: Space-Time Coding II WC-26: Multi-user MIMO III WC-27: Resource Allocation II WC-28: Cognitive Radio IV WC-P06: Cooperation & Relaying
<b>Thu</b>	08:30 AM-10:15 AM	WC-29: Localization & ToA Estimation WC-30: Beamforming WC-31: Sensor Networks I WC-32: Relay Networks II WC-P07: (P) Topics in Wireless Communications
	10:45 AM-12:30 PM	WC-33: FDE WC-34: MIMO-OFDM WC-35: Sensor Networks II WC-36: Relay Networks III WC-37: Channel Characterization WC-P08: (P) CDMA

## GC'07 – Wireless Communications Symposium: the Sessions and the Days 3/3

Day	Time	Plenary
Thu (Cont.)	02:00 PM-03:45 PM	WC-38: Channel Coding/Decoding WC-39: MIMO FDMA WC-40: Wireless Networks WC-41: Cooperative Communications WC-42: Performance Analysis WC-P09: (P) Channel Estimation & Equalization
	04:15 PM-06:00 PM	WC-43: Capacity Analysis WC-44: Diversity WC-45: Resource Allocation III WC-46: Precoding WC-47: CDMA WC-P10: (P) MIMO

## ICC'08 – Wireless Networking Symposium

### ◆ Symposium Co-Chairs:

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

### ◆ Sponsors

- Wireless Communications TC
- Radio Communications TC
- Technical Committee on Ad hoc and Sensor Networks

### ◆ TPC Members: **278**

### ◆ Each paper assigned to *at least three* different TPC members who selected *one reviewer each*

### ◆ Wireless Networking Symposium paper distribution

- Submitted: 615, Accepted: 222, Acceptance ratio: 36%
- 36 sessions (30 oral sessions and 6 poster sessions)
- Accepted Papers: 81% for oral presentation, 19% for poster presentation

### ◆ Two papers (out of 16 candidates) win the **Best Paper Award** within WNS

- Best paper selection committee has been formed for Best Paper Award selection
- "A Novel Location-Free Greedy Forward Algorithm for Wireless Sensor Networks", Azzedine Boukerche, Horacio Oliveira, University of Ottawa; Eduardo Nakamura, Antonio Loureiro, Federal University of Minas Gerais
- "Routing and Power Allocation for MIMO-based Ad Hoc Networks with Dirty Paper Coding", Jia Liu, Y. Thomas Hou, Hanif D. Sherali, Virginia Polytechnic Institute and State University

## ICC'08 – Wireless Networking Symposium: the Sessions and the Days 1/2

Day	Time	Plenary
Tuesday	2:00 PM – 3:45 PM	<b>WN01: Wireless Sensor Networks I , WN02: Wireless Ad hoc Networks I , WN03: Mobility and Handoff , WN1p: Resource management for WLAN</b>
	4:15 PM - 6:00 PM	<b>WN04: Wireless Sensor Networks II , WN05: Wireless Ad hoc Networks II, WN06: Cross-layer design in wireless networks</b>
Wednesday	8:30 AM - 10:15 AM	<b>WN07 : Wireless Sensor Networks III, WN08 : Wireless Ad hoc Networks III, WN09 : Cognitive Radio Networks , WN2p : Wireless sensor networks ,</b>
	10:45AM - 12:30 PM	<b>WN10 : Wireless Sensor Networks IV , WN11 : Wireless Ad hoc Networks IV , WN12 : Modeling and Analysis of IEEE 802.11-Based WLANs I , WN3p : Wireless ad hoc and mesh networks ,</b>
	2:00PM – 3:45PM	<b>WN13 : Resource Management in WLANs I , WN14 : Modeling and Analysis of IEEE 802.11-Based WLANs II , WN15 : IEEE 802.16/WiMAX Networks I ,</b>
	4:15PM - 6:00 PM	<b>WN16 : Resource Management in WLANs II , WN17 : Modeling and Analysis of IEEE 802.11-Based WLANs III , WN18 : IEEE 802.16/WiMAX Networks II , WN4p : Cognitive radio networks ,</b>



## ICC'08 – Wireless Networking Symposium: the Sessions and the Days 2/2

Day	Time	Plenary
Thursday	8:30 AM - 10:15 AM	<b>WN19 : Wireless Sensor Networks V,</b> <b>WN20 : Security Issues in Wireless Networks I ,</b> <b>WN21 : Network Designs and Protocols ,</b> <b>WN5p : Topics in wireless networks (1) ,</b>
	10:45AM - 12:30 PM	<b>WN22 : Wireless Sensor Networks VI ,</b> <b>WN23 : Security Issues in Wireless Networks II ,</b> <b>WN24 : Wireless Mesh Networks I ,</b>
	2:00PM – 3:45PM	<b>WN25 : QoS and Resource Management in Wireless Networks ,</b> <b>WN26 : Modeling and Performance Analysis I ,</b> <b>WN27 : Wireless Mesh Networks II ,</b> <b>WN6p : Topics in wireless networks (2) ,</b>
	4:15PM - 6:00 PM	<b>WN28 : Modeling and Performance Analysis II ,</b> <b>WN29 : Cooperative Communication and Networking ,</b> <b>WN30 : Wireless Mesh Networks III ,</b>

## Globecom 2008, New Orleans, USA, 1-4 December 2008

### ◆ 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
- Ranjan Mallik, IIT, India
- Duc Deneire, UNICE, France

### ◆ 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

# Wireless Communications Technical Committee (WTC) Meeting

22 May 2008, Beijing, China

		Rejected	Accepted	Submitted	Acceptance ratio
<b>GC'08 WC</b>	<b><i>Wireless Communications</i></b>			<b>672</b>	
GC'08 SAC	<i>Other Selected Areas in Communications Symposium</i>			<b>203</b>	
GC'08 NGNPS	<i>Next Generation Networks, Protocols, and Services</i>			<b>170</b>	
GC'08 AHSMN	<i>Ad-hoc, Sensor and Mesh Networking Symposium</i>			<b>445</b>	
GC'08 CSS	<i>Communications, Software and Services Symposium</i>			<b>92</b>	
GC'08 CTS	<i>Communication Theory Symposium</i>			<b>188</b>	
GC'08 CCNS	<i>Computer and Communication Network Security Symposium</i>			<b>201</b>	
GC'08 ONS	<i>Optical Networks and Systems Symposium</i>			<b>120</b>	
GC'08 CQSRPM	<i>Communications Quality of Service, Reliability, and Performance Modeling Symposium</i>			<b>196</b>	
GC'08 SPC	<i>Signal Processing for Communications Symposium</i>			<b>233</b>	
GC'08 WN	<i>Wireless Networking Symposium</i>			<b>334</b>	

## GlobeCom 2008 WCS (Continued)

Symposium Co-Chairs: Dennis Goeckel (lead), Luc Deneire, Brian Hughes, Ranjan Mallik, Zhengdao Wang, and Xi Zhang

TPC Size: 228 members (we were expecting more papers)

*Each paper has been assigned to three separate TPC members, and each of them is expected to obtain one review (either completed by themselves or another reviewer).*

Review Deadline: May 31 (please do your reviews on time!)

Obviously, the acceptance/rejection decisions and session assignments will not be made until well after ICC 2008 concludes.

## GC'08 Wireless Networking Symposium

### ◆ Symposium 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, USA

### ◆ Sponsors

- Wireless Communications TC
- Peer-to-Peer Networking and Communications Subcommittee, Emerging Technologies Committee
- Integrated Fiber/Wireless in Access and Metro Networks Subcommittee, Emerging Technologies Committee

◆ TPC Members: **124**

◆ Paper submissions: **332**

◆ Each paper has been assigned to **three** different TPC members

## ICC 2009, Dresden, Germany, 14-18 June 2009

Paper submission deadline: 8 Sept. 2008

### ◆ ICC'09 WCS Co-Chairs

- Sonia Aissa
- Nallanathan Arumugan
- Erik Perrins
- Yi Qian
- Matt Valenti
- Takayo Yamazoto

### ◆ ICC'09 WNS Co-Chairs

- Hossam Hassanein
- Mario Marchese
- Abdelhamid Mellouk
- Yu Cheng

### ◆ ICC'09 CTS Co-Chairs

- Aylin Yener
- Lutz Lampe
- Angela Zhang

### ◆ ICC'09 ASNS Co-Chairs

- Tommaso Melodia
- Hongchi Shi
- Larry Xue
- Mohamed Younis

### ◆ ICC'09 SPS Co-Chairs

- Luc Deneire
- Tomohiko
- Wai Pang Ng



## Future ICC's and GC's

- ◆ Globecom 2009 (30 Nov – 4 Dec) – Honolulu, Hawaii
- ◆ ICC 2010 (May 23 – 27) – Cape Town, South Africa
- ◆ Globecom 2010, Miami, USA
- ◆ ICC 2011, Japan

## Major Wireless Events: 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 (Wireless Communications and Networking Conference) 2008

31 March – 03 April 2008 Las Vegas USA

**General Chair:** Hakan Eriksson, CTO, Ericsson  
**Executive Chair:** David Falconer  
**Vice-Chair:** Jan Farjh, Ericsson Research  
**TP Chair:** Halim Yanikomeroglu  
**WCNC Steering Committee Chair:** Roberto De Marca

### TP Co-Chairs:

**PHY:** Ezio Biglieri  
Aaron Gulliver  
**MAC:** Zhu Han  
Sennur Ulukus  
**NET:** Pin-Han Ho  
Hussein Mouftah  
**SAA:** Ekram Hossein  
Djamal Zeghlache

**Student Travel Grants Chair:**  
Uf Tureli

### Panels Co-Chairs:

Jerry Gibson  
Sastri Kota

### Tutorials Co-Chairs

Vahid Tarokh  
Steve Weinstein

### Publications Chair:

Chengshan Xiao

### Conference Manager:

Debora Kingston

## WCNC (Wireless Communications and Networking Conference) 2008

Collocated with CTIA Wireless 2008 – world's largest wireless show (45,000 attendees)

No of papers submitted = 1253 (highest number among WCNCs held in North America)

No of papers accepted = 573

Acceptance ratio = 45.7%

Technical Program Committee: 371 experts

No of reviews arranged = ~4,000

No of reviews per paper: Over 95% of the papers received 3 or more reviews;  
no paper received less than 2 reviews

No of sessions = 120

No of special papers = 5

No of panels = 6

No of tutorials = 8 (each registration received 1 complementary tutorial)

No of keynote and plenary talks = 4

Social events: Welcoming reception, networking reception, evening panel with pizza & pop

**IEEE PIMRC 2008**  
**Cannes, French Riviera, France**  
**15-18 September 2008**

Prof Hamid Aghvami  
King's College London, London, UK

Dr Mischa Dohler  
CTTC, Barcelona, Spain



## General Information

### ◆ Conference Dates:

- 15-18 September 2008
- Sunday night – Thursday afternoon

### ◆ Conference Site:

- "Palais des Festivals" of Cannes
- plenary sessions will happen where film awards are given

### ◆ Location:

- Cannes, French Riviera, France
- one of the most attractive locations imaginable
- September is ideal because weather is good, sea is warm but tourists gone ...

### ◆ Website:

- [www.pimrc2008.org](http://www.pimrc2008.org)

## Committee Information

### ◆ PIMRC Steering Committee:

- Hamid Aghvami, King's College London, UK
- Shuzo Kato, NICT, Japan
- Kaveh Pahlavan, Worcester Polytechnic Institute, USA
- Roberto de Marca, IEEE

### ◆ PIMRC 2008 General Chairs:

- Paul Friedel, Director of R&D, France Telecom, France
- Hamid Aghvami, King's College London, UK

### ◆ PIMRC 2008 General Technical Chairs:

- Mischa Dohler, CTTC, Spain
- Alain Sibille, ENSTA, France

### ◆ PIMRC 2008 General Organizational Chairs:

- Béatrice Valdayron, SEE, France
- Debora Kingston, IEEE, USA



## Organizers & Logistics

### ◆ Local Organizer:

- SEE, France

### ◆ Co-Sponsors:

- IEEE ComSoc, USA
- SEE, France

### ◆ Conference Site:

- contract is ready and signed

### ◆ Hotels:

- there is sufficient but limited hotel space
- participants will need to book via local organizer asap

### ◆ SEE and subcontractor has taken care of:

- social programs
- tourist programs
- Air France special fares

## Patrons, Grants & Registration Fees

### ◆ Patrons Packages:

- **Platinum:** Orange Labs & France Telecom Group
- **Gold:** Nokia  
CEA-LETI
- **Silver:** Mitsubishi Electric ITE
- **Bronze:** Hitachi Europe  
CTTC  
ResCom/CNRS

### ◆ Student Travel Grants:

- **IEEE:** \$5000
- **ResCom:** based upon quality of applicant

### ◆ Registration Fee:

- **early, member:** €650 (tbc)
- **early, non-member:** €790 (tbc)

## Technical Tracks

◆ **Similar to ICC, splitting in tracks to keep loads reasonable:**

- Track #1: "Fundamentals & PHY"
- Track #2: "MAC & Cross-Layer Design"
- Track #3: "Mobile & Wireless Networks"
- Track #4: "Applications, Services & Business Approach"

◆ **Number of Papers:**

- received over all tracks: **952**
- accepted: **451**
- ratio: **47%**

◆ **Important Dates:**

- acceptance notice: **12 May 2008**
- final manuscript: **end of June 2008**

## Tutorials and Workshops

### ◆ Tutorials:

- chairs: Muriel Medard (MIT), Prosper Chemouil (France Telecom)
- 10 high quality half-day tutorials have been chosen (out of 29 propositions)
- speakers include people from MIT, Stanford, UC Davies, Georgia Tech, TU Munich, Supelec, France Telecom, Ericsson, etc.

### ◆ Workshops:

- chairs: Cedric Westphal (DoCoMo USA), Branka Vucetic (Sydney University)
- 8 high quality workshops have been chosen
- topics include distributed networks, cognitive radios, VoIP technologies, MIMO, ubiquitous services, next generation mobile RATs, etc.
- some workshops have open calls, some are per invitation only; high quality keynote speakers have also been secured

## Special Sessions and Panels

### ◆ Special Sessions:

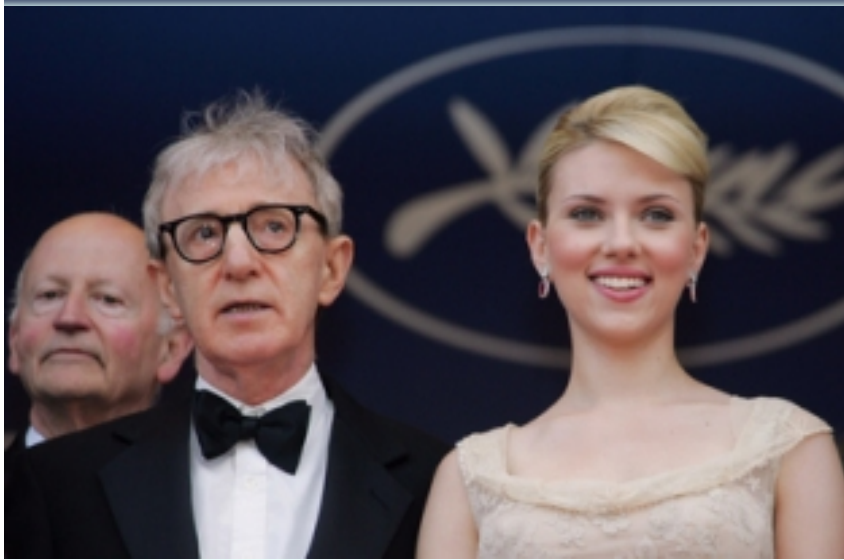
- chairs: Didier Bourse (Motorola), René Roussille (SEE)
- 7 high quality special sessions have been chosen
- topics include sensor networks, spectrum access, multi-gigabit wireless systems, intelligent transportation, future home networks, etc.
- some special sessions have open calls, some are per invitation only; high quality keynote speakers have also been secured such as Shlomo Shamai.

### ◆ Panels:

- chairs: Jorge Pereira (EU Commission), Frank Fitzek (Aalborg University)
- 8 high quality panels have been chosen, for example:
  - Operators Executives Panel
  - Collaborative Innovation: Good for Business?
  - Cellular versus WiMAX (1-to-1 panel!)
  - Wireless Sensor Networks - Making The Most Of Sensing
  - Cognition and Cooperation: The Way Forward

# Wireless Communications Technical Committee (WTC) Meeting

22 May 2008, Beijing, China



**Welcome to PIMRC 2008!**





Endorsed by WTC

→ sponsored by ComSoc

◆ ISWPC'08

◆ CNSR'08

◆ WTS'08

◆ IWSSC'08

◆ WOCN'08

◆ HPSR'08

Post-conf repts (GC'07-ICC'08)



## 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)
  
- ◆ Rejections are **not** due to lack of technical strength

## GITC Updates

### **GITC- Standardized Symposia**

*Beginning IEEE ICC 2009 the following list 11 symposia will be offered at every GC/ICC conference, pending future evolutionary changes..*

- 1. Symposium on Selected Areas in Communications*
- 2. Communication Theory Symposium*
- 3. Signal Processing for Communications Symposium*
- 4. Wireless Communications Symposium*
- 5. Wireless Networking Symposium*
- 6. Optical Networks and Systems Symposium*
- 7. Next Generation Networking and Internet Symposium*
- 8. Communications QoS, Reliability and Modelling Symposium*
- 9. Adhoc and Sensor Networking Symposium*
- 10. Communications Software and Services Symposium*
- 11. Communication and Information System Security*

## IEEE ComSoc President-Elect Election

### ◆ President-Elect Candidates:

- Sergio Benedetto
- Vijay Bhargava
- Harvey Freeman
- Alexander Gelman
- Byeong Gi Lee

## Announcements

- ◆ Next WTC meeting: at GC'08 in New Orleans, USA, 1-4 December 2008

## Other Business

- ◆ ...