



# IEEE COMMUNICATIONS SOCIETY Wireless Communications Technical Committee (WCTC)

IEEE GC'2011

Houston, Texas, USA

Hilton Americas - Houston

Wednesday, December 7, 2011

12:30pm – 2:00pm

## Agenda

- ◆ 1. Welcome
- ◆ 2. Minutes of the WCTC meeting held at ICC'11
- ◆ 3. WCTC mission and current status
- ◆ 4. 2011 WTC Recognition Awards Presentation
- ◆ 5. Conference Reports
- ◆ 6. Feature topics discussion: How to become/serve as ICC/GC individual symposium co-chair? How to apply for IEEE ComSoc sponsorship to non IEEE conferences
- ◆ 7. Other Business

## Minutes of WCTC meeting held at ICC 2011

- ◆ Date: 08 June 2011, 07:30 – 09:00
- ◆ Venue: Room 157, ICC Convention Center, Kyoto, Japan
- ◆ Meeting Chair: Xuemin (Sherman) Shen (WCTC Chair)  
Ross Murch (WCTC Vice Chair) and Tarik Taleb (WCTC secretary)
- ◆ Attendees: ~36 signees
- ◆ The meeting agenda was approved with no objections.
- ◆ The TC chairman informed the attendee that the minutes of the previous meeting at Globecom 2010 were posted on the TC website, highlighted that there was an officer election, introduced the newly elected officers and mentioned the offered recognition awards. The minutes of the previous meeting got approved with no objections.
- ◆ The TC chair reminded the attendee of the WCTC mission statement and enlisted the WCTC impact on conferences/Journals, in addition to other accomplishments.

## Minutes of WCTC meeting held at ICC 2011

- ◆ The TC chairman asked those, from the attendee, who are interested in serving as symposia co-chairs at ICC/GC, to send their requests to any of the current officers. Selection would be made by the officers in case of many requests.
- ◆ The TC chairman opened a discussion at the meeting on how WCTC could help its members in their career and made up few suggestions. He asked for feedback from the attendee. The followings represent some of the important suggestions made by the attendee.
  - WCTC could help with senior membership application.
  - WCTC could help with Distinguished Lecturer nomination in a proactive manner. The TC Chairman will post relevant emails on the TC mailing list. He also clarified that WCTC can nominate up to 3 Distinguished Lecturers, only once every year.
  - Some attendee suggested recommending TPC members to symposia co-chairs, and reward best TPC members. Concerns were raised regarding the latter.

## Minutes of WCTC meeting held at ICC 2011

- It was suggested that the TC could help members by creating panel discussions that would help members to be updated with trendy technology directions.
  - A question was raised concerning the contribution of WCTC to standards. The TC chairman clarified the role of WCTC in ComSoc's Standards Board and welcomed volunteers who are willing to serve as liaison of WCTC to ComSoc standards committee.
  - It was suggested that the TC should get more industrial involvement in the TC activities.
- 
- ◆ The Need for moderating the WCTC ML was also expressed.
  - ◆ No other business, and meeting finished
  - ◆ **Note: the meeting presentation slides are available at <http://bbcr.uwaterloo.ca/~wtc/>**



## IEEE ComSoc Wireless Communications Technical Committee (WCTC)

### WCTC Mission Statement:

- ◆ The mission of WCTC 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.

## Current Status of WCTC

- ◆ WCTC is one of the largest, most established, and most active TCs in ComSoc with ~900 members
- ◆ WCTC has two formal meetings each year at ICC and Globecom
- ◆ **Present Officers** (1 Jan 2011 - 31 December 2012)
  - **Chair:** Prof. Sherman Shen, Univ. of Waterloo, Canada
  - **Vice Chair:** Prof. Ross Murch, Hong Kong Univ. of Scie. & Tech., Hong Kong
  - **Secretary:** Dr. Tarik Taleb, NEC Labs – Europe, Germany
- ◆ **Past Chairs (WCTC/TCPC)**
  - Prof. Mohsen Guizani, Qatar University, Qatar
  - Prof. Chengshan Xiao, Missouri U. of Sci. & Tech, USA
  - 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



## WCTC 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
- Signal Processing for Communications Symposium
- Cognitive Radio Networking Symposium

### ◆ WCTC 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/WCTC.
- Current and past (founding) Chairs of WCNC Steering Committee, Prof. Roberto de Marca and Dr. Chih-Lin I: active members of WCTC.
- Founding Steering Committee Chair of PIMRC, Prof. Hamid Aghvami: an active WCTC member.



## WCTC Impact on Journals

- ◆ A high number of WCTC active members are highly visible at ComSoc and GICCs
  - Board of Governors, etc.
  - WCTC active members served/serve as GC and ICC TPC Co-chairs
- ◆ WCTC endorses a high number of wireless events, and actively contributes to their organization.
- ◆ WCTC members play very active roles in the editorial boards of wireless journals, magazines, and special issues. For instance,
  - EiC of IEEE TWireless, TComm, ComSoc Wireless Communication, Network, and Communications magazines are WCTC members
  - Founding EiC of IEEE TWireless, Prof. Khaled Ben Letaief, the past Chair, Prof. Vijay Bhargava, Past EiC of Twireless, President Elected
  - Many Editors of Twireless, TComm and ComSoc magazines are WCTC members
  - etc.

## WCTC Other Accomplishment:

### ◆ Nomination for IEEE/ComSoc Award:

- WCTC nominated one distinguished member for ComSoc Service Award.

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

- WCTC endorsed several active members for IEEE Fellow in 2011.
- WCTC endorsed several active members for IEEE Senior member grade in 2011.

### ◆ Nomination for ComSoc Distinguished Lecturers:

- We also nominate up to three active members to serve as DL.

## Involvement in WCTC

- ◆ Website: <http://bbcr.uwaterloo.ca/~wtc/>
- ◆ Membership: open to all ComSoc members
- ◆ Our members are encouraged to volunteer in professional activities
- ◆ **Utilize WCTC!**
  - Networking
  - Getting involved in events (reviewer, TPC member, session chair, TPC chair/vice-chair)
  - Conference endorsement
  - IEEE Fellowship
  - IEEE Awards
  - IEEE ComSoc Awards
  - ...

## WCTC 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:** Nominations are solicited from WCTC 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 WCTC Award Committee Chair (together with the nomination or separately). Award Committee members may not be nominated.
- ◆ **WCTC Recognition Award Committee:** The Award committee will have 5 members as follows:
  - Chair: Past WCTC Chair
  - Members:
    1. Current WCTC Chair
    2. 2<sup>nd</sup> Past WCTC/TCPC Chair
    3. 3<sup>rd</sup> Past WCTC/TCPC Chair
    4. WCTC Member (appointed by the WCTC Chair for one year; renewable for a maximum of one year)

## WCTC Recognition Award

### ◆ Previous Award Winners

- 2010 Prof. Leonard J. Cimini Jr., University of Delaware  
Prof. H. Vincent Poor, Princeton University
- 2009: Prof. Jerry Gibson, University of California, Santa Barbara, USA  
Prof. Andrea Goldsmith, Stanford University, USA
- 2008: Prof. David Falconer, University of Carleton, Canada  
Prof. Ted Rappaport, University of Texas at Austin, USA
- 2007: Prof. Lajos Hanzo, University of Southampton, UK  
Prof. Gordon Stuber, Georgia Institute of Technology, USA
- 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

## WCTC Recognition Award

### **2011 WCTC Recognition Award Committee:**

Chair: Mohsen Guizani – Past WCTC Chair

Members:

1. Sherman Shen – Current WCTC Chair
2. Chengshan Xiao – 2<sup>nd</sup> Past TCPC Chair
3. Halim Yanikomeroglu– 3rd Past TCPC Chair
4. Lajos Hanzo– WCTC Member (appointed by the WCTC Chair for one year)

**2011 closing date for nominations: September 30, 2011**

A high number of nominations received

## 2011 WTC Recognition Award Winners

◆ **Prof. Khaled B. Letaief**  
HKUST, Hong Kong, China



**Prof. Kwang-Cheng Chen**  
National Taiwan University, Taiwan







**The IEEE Wireless Communications Technical Committee (WTC)  
is proud to present the 2011 WTC Recognition Award to**

**Professor Khaled B. Letaief**

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

**Sherman Shen  
IEEE WTC Chair  
December 2011**

**Mohsen Guizani  
WTC Award Committee Chair  
December 2011**



**The IEEE Wireless Communications Technical Committee (WTC)  
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## **Professor Kwang-Cheng Chen**

**for his outstanding technical contributions in the field and  
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**Sherman Shen  
IEEE WTC Chair  
December 2011**

**Mohsen Guizani  
WTC Award Committee Chair  
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## GITC Updates

### GITC- Standardized Symposia

*Beginning IEEE ICC 2010, the following list of 12 symposia will be offered at every GC/ICC conference, pending future changes/decisions...*

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

## Conference Reports

### WCTC-sponsored GC/ICC symposia

1. *Communication Theory Symposium*
2. *Cognitive Radio and Networks Symposium*
3. *Signal Processing for Communications Symposium*
4. *Wireless Communications Symposium*
5. *Wireless Networking Symposium*
6. *Adhoc and Sensor Networking Symposium*

### ComSoc Wireless Events

- ◆ WCNC'11
- ◆ PIMRC'11

## Future ICC's and GC's

- ◆ ICC 2012—Ottawa, Canada
- ◆ Globecom 2012—Anaheim, CA, USA
- ◆ ICC 2013—Budapest, Hungary
- ◆ Globecom 2013--Atlanta, GA, USA
- ◆ ICC 2014—Sydney, Australia

## Major ComSoc Wireless Events:

◆ **WCNC 2012** (Paris, France, April 1-4, 2012)

◆ **PIMRC 2012** (Sydney, Australia, 9-12, Sept. 2012)

Endorsed by WCTC → sponsored by ComSoc

- ◆ WCSP 2011
- ◆ WTS 2011
- ◆ WiMob'11
- ◆ WICOM'11
- ◆ ICCCN'11
- ◆ SPECTS'11
- ◆ Etc.



## Feature topics discussion

- ◆ How to become/serve as ICC/GC individual symposium co-chair?
  - The TPC chair/co-chairs of GC/ICC contact TC chairs for nominations
  - Six symposia are normally sponsored by the Wireless Communications Technical Committee, namely:
    1. Ad Hoc & Sensor Networking Symposium
    2. Cognitive Radio Networks Symposium
    3. Communication Theory Symposium
    4. Signal Processing for Communications Symposium
    5. Wireless Communications Symposium
    6. Wireless Networking Symposium

Symposium co-chairs are highly respected leaders in their fields of expertise, with outstanding records of IEEE publications and proven experience in the peer review process.

## Feature topics discussion

- ◆ Selection process of ICC/GC individual symposium co-chair
  - TC Chairs will provide the nominated symposia co-chairs candidates with a brief summary of the candidates relevant background and past conference experience
  - The symposia co-chairs will be chosen by the GC/ICC technical program committee and approved by the Globecom/ICC Technical Committee (GITC) so as to best meet the following objectives: quality symposia; efficient and orderly collaboration between the co-chairs and the TPC; full participation and support from all sponsoring technical committees; a mix of familiar faces with prior co-chair experience and new faces; broad participation from all parts of the world; and broad participation from industry and academia.

If interested for future symposia co-chairs candidates, please provide a brief summary of your relevant background and past conference experience

## Feature topics discussion

- ◆ Why and How to apply for IEEE ComSoc sponsorship to non IEEE conferences (regional conferences)

### Benefits of ComSoc Technical Co-sponsorship (TCS):

- The conference will be included in the IEEE Conference Search tool
- The conference will be included in the ComSoc Conference Search tool
- The conference Call for Papers will be announced in the conference section of ComSoc E-news within a few months prior to the CFP deadline
- The conference will be listed in the *IEEE Communications Magazine* calendar pages
- The conference will be eligible for 40% off the list price of CFP and General Announcement advertisements in IEEE ComSoc Magazines: *IEEE Communications Magazine*, *IEEE Network Magazine*, and *IEEE Wireless Magazine*.

**How to apply for TCS:** complete the [TCS application form – WORD](#) or [TCS application form – PDF](#) and submit it by email to [ComSoc-TCS-Application@comsoc.org](mailto:ComSoc-TCS-Application@comsoc.org).

## Announcements

◆ Next WCTC meeting:

IEEE ICC'12 in Ottawa, Ontario, Canada June 10-15, 2012.

## Other Business

◆ ...

**Thank You!**

**Questions or Comments**