



IEEE COMMUNICATIONS SOCIETY

Wireless Communications Technical Committee (WTC)

ICC2019, Shanghai

Wed., 22/5/2019

12:30 pm– 1:30pm

Current Officers:

Chair: Wei Zhang, UNSW Australia

Vice Chair: Bechir Hamdaoui, Oregon State Univ.

Secretary: Yue Gao, Queen Mary Univ. of London

Agenda

- ◆ Approval of the Agenda
- ◆ Approval of last WTC Meeting Minutes
- ◆ About WTC
- ◆ WTC Award
- ◆ Updates on WTC Activities
- ◆ WTC ML & Website Updates
- ◆ Updates from TEAC
- ◆ Any other Business?
- ◆ Adjourn

Minutes of WTC meeting held at GC2018

Chaired by WTC Chair: Shuguang Cui

In Attendance: Wei Zhang (WTC Vice Chair), Bechir Hamdaoui (WTC Secretary), and WTC members

1. Approval of ICC 18 meeting minutes
2. Introduction of WTC mission statement
3. Update on voting member conditions and eligibility
4. WTC Award Committee members of WTC 2018
 - Announcing winners of **WTC Recognition Awards: Halim Yanikomeroglu and Robert Heath**
5. Update of WTC activities and conference endorsement
 - Conference endorsement
 - Nominations of symposium co-chairs of ICC and GC
 - So far, nominations are made up to GC 2020 (5 nominee done from WTC)
6. Endorsement of IEEE Fellows
7. Nominations for DL
 - ComSoc in Total: 56 nominations, 16 successful
 - WTC only: 5 nominated, all successful
8. Update of Mailing list and website
9. Updates from TEA-C
10. New officer election (2019-2020)
 - Elected: Wei Zhang for Chair, Bechir Hamdaoui for Vice-Chair, and Yue Gao for Secretary



Our WTC

1. Website: <http://wtc.committees.comsoc.org/>
2. *About 1500 members*
3. Membership:
 - Open to all ComSoc members
 - To become a member it is necessary to subscribe to the WTC mailing list as specified on the WTC web page.
 - Signing on the attendance sheet does not qualify to be a WTC member.
 - A member becomes an **active member** if he/she has attended **two or more of the prior five** regularly scheduled WTC meetings.
4. Our members are encouraged to volunteer in professional activities
5. All members may decide to opt out of the mass/bulk emails by logging onto the system and clicking the appropriate box
6. Emails from the WTC Chair will however be sent to all members
 - To opt out of these you must terminate your membership and this can now also be done through web

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 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**, and **endorse** deserving candidates for the election to IEEE Senior Member and Fellow grade, make contributions to standards in an organized form.



WTC Awards

- WTC Recognition Award
- WTC Outstanding Young Researcher Award

2019 WTC Award Committee

- Chair: Shuguang Cui (Past Chair of WTC)
 - Current WTC Chair (Wei Zhang)
 - 2nd Past WTC Chair (Tarik Taleb)
 - 3rd Past WTC Chair (Ross Murch)
 - A WTC member representing the WTC membership

WTC Recognition Award

WTC Recognition Award

◆ 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 (as appropriate). No more than two awards will be given per year.

◆ NOMINATION

- Nomination is solicited from the WTC members annually. The nomination should include a (short) sentence for "what service or accomplishment" the person is nominated for and a one page supporting material. Additionally, 2 letters supporting the nomination may be sent to the WTC Award Committee Chair.

2019 closing date for nominations: October 2019

WTC Recognition Award – Past Recipients

- ◆ 2018 Prof. Halim Yanikomeroglu, Carleton Univ., Canada; Prof. Robert Heath, UT Austin, USA
- ◆ 2017 Prof. Robert Schober, FAU, Germany; Prof. Mohsen Guizani, Univ. of Idaho, USA
- ◆ 2016 Prof. Junshan Zhang, ASU, USA; Prof. Mohamed-Slim Alouini, KAUST, Saudi Arabia
- ◆ 2015 Prof. Romano P. Fantacci, Florence University, Italy; Prof. Chengshan Xiao, Missouri Univ. of Science and Technology, USA
- ◆ 2014 Prof. Yuguang “Michael” Fang, University of Florida, USA ;2014 Prof. Gerhard P. Fettweis, Technische Universität Dresden , Germany
- ◆ 2013 Prof. Geoffrey LI, Georgia Institute of Technology, USA
- ◆ 2012 Prof. Zhi Ding, UC Davis, USA and Prof. Zygmunt J. Haas, Cornell University, USA
- ◆ 2011 Prof. Kwang-Cheng Chen., National Taiwan Univ., Taiwan and Prof. Khaled B. Letaief, HKUST, Hong Kong, China
- ◆ 2010 Prof. Leonard J. Cimini Jr., University of Delaware, USA and Prof. H. Vincent Poor, Princeton University, USA
- ◆ 2009: Prof. Jerry Gibson, University of California, Santa Barbara, USA and Prof. Andrea Goldsmith, Stanford University, USA
- ◆ 2008: Prof. David Falconer, University of Carleton, Canada and Prof. Ted Rappaport, University of Texas at Austin, USA
- ◆ 2007: Prof. Lajos Hanzo, University of Southampton, UK and Prof. Gordon Stuber, Georgia Institute of Technology, USA
- ◆ 2006: Prof. Vijay Bhargava, University of British Columbia, Vancouver, Canada and Prof. Robert De Marca, CETUC, Pontifical Catholic Univ., Rio de Janeiro, BRAZIL
- ◆ 2005: Prof. Hamid Aghvami, King's College, London, UK and 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, Univ. of Toronto, Canada & Prof. Imrich Chlamtac, Univ. of Texas at Dallas, USA



The IEEE Wireless Communications Technical Committee (WTC)
is proud to present the **2018 WTC Recognition Award** to

Professor Robert Heath

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

Shuguang Cui
IEEE WTC Chair
December 2018

Tarik Taleb
WTC Award Committee Chair
December 2018



WTC Recognition Award Winner: Robert Heath

Dr. Heath is a Cullen Trust Endowed Professor in the Department of Electrical and Computer Engineering at The University of Texas at Austin. His research expertise is at the intersection of wireless communication, signal processing, applied math, and communication theory. He has an active research program in all aspects of MIMO (multiple-input multiple-output) communication including multiuser MIMO, massive MIMO, MIMO cellular networks, and MIMO ad hoc networks. At present He is focusing on millimeter wave communication, with applications to cellular, ad hoc, wearable, vehicular, and local area networks. He teaches courses at both the undergraduate and the graduate level on topics such as wireless communication, digital signal processing, statistical signal processing, and multiple antenna communication methods. Of particular interest, he has developed a complete Wireless Communications Laboratory course with lecture notes, textbook, and experiments, now available for the USRP platform. Lectures and lecture notes are available as well. He enjoys participating and interacting with industry and government through sponsored research, standards participation, and [consulting](#).



WTC Outstanding Young Researcher Award



WTC Outstanding Young Researcher Award

NEW AWARD!

The WTC Outstanding Young Researcher Award will recognize members of the WTC who have achieved early career visibility in the field through research and service to the WTC. No more than two awards will be given per year.

The nominee must

- ◆ be an IEEE ComSoc Member and an active WTC member at the time of nomination (see P&P for “active WTC member”),
- ◆ have been involved significantly with research related to the areas of wireless communications, and
- ◆ be within 10 years since completion of Ph.D. at the time of nomination.

The call-for-nomination will be announced in **September 2019**.



Update of WTC Activities

WTC Endorsement of Conferences

1. For ComSoc technical co-sponsorship, TC endorsement is usually required
2. For WTC to endorse a conference
 - The conference should be relevant to WTC
 - At least three WTC members should be involved in the conferences TPC
 - The conference shall enjoy a good reputation among the community
3. WTC has endorsed a number of conferences every year. (please see WTC newsletter for the complete list.)

Endorsed Major Events in 2019

- ◆ International Conference on Communications in China 2019 (ICCC 2019)
- ◆ International Conference on Wireless Communications and Signal Processing (WCSP 2019)
- ◆ International Conference on Nanoscale Computing and Communication (NanoCom) Conference



Update of WTC Activities

Nomination for Symposium Co-Chairs of ICC and Globecom

Nominations have already been made up to ICC 2021

- Five nominations were made from WTC in April 2019

Let one of the WTC officers know so we can consider you in future requests

WTC Other Accomplishment:

◆ Endorsement for IEEE Fellow:

- 3 endorsements were submitted in Feb 2019

◆ Nomination for ComSoc Distinguished Lecturers:

- A call-for-nomination of ComSoc DL will be announced in **August 2019**

WTC ML & Website

- **Website:**
 - <http://wtc.committees.comsoc.org/>

- ***Mailing List:***
 - *Size: 1558 subscribers.*
 - *ieewtc@comsoc.org*
 - *To subscribe:*
 - <http://wtc.committees.comsoc.org/mailling-list/>

Important News from TEAC and TC Board

- ◆ TC Awards – Unifying procedure for all the TCs
 - Award committee: See WTC P&P <http://wtc.committees.comsoc.org/policies-and-procedures/>

- ◆ TC Collaborator
 - non-TC members who are active volunteers.

- ◆ ETI (Emerging Technology Initiative)
 - Two new ETIs
 - Machine Learning for Communications
 - Full Duplex Communications
 - Disbanded ETIs:
 - IoT (merged into Ad-hoc and Sensor Network)
 - SDN

Any other Business?

Thank You!

Next WTC meeting will be held at GC
2019 in Hawaii