

IEEE COMMUNICATIONS SOCIETY
Wireless Communications Technical Committee (WTC)

GC 2016

Washington, DC, USA

Columbia 6
Terrace Level

Tuesday, December 6, 2016

12:30 pm– 2:00pm

Agenda

- ◆ Lunch & Networking
- ◆ Approval of the Agenda
- ◆ Approval of last WTC meeting minute
- ◆ Updates on WTC Activities
- ◆ Updates on WTC ML and Website
- ◆ Updates from TEAC
- ◆ WTC Recognition Award
- ◆ Updates on WTC newsletters
- ◆ WTC Elections
- ◆ Any other business

Minutes of WTC meeting held at ICC 2016

- ◆ Wednesday 25 May 2016
- ◆ Chaired by WTC Chair: Tarik Taleb
- ◆ In Attendance: Other WTC officers: Shuguang Cui (Vice Chair) and Wei Zhang (Secretary), and WTC members
- ◆ Start: 12:30pm
- ◆ Meeting minute:
 - 1. Agenda approved
 - 2. GC15 Minutes approved
 - 3. WTC Mission statement
 - 4. WTC Membership – explanations
 - 5. WTC Website and mailing lists
 - 6. Endorsement of the conferences technically sponsored by WTC
 - 7. Nomination of ICC/GC symposium co-chairs
 - 8. Endorsement of 2017 IEEE Fellows applications (4 endorsed)
 - 9. Nomination of 2016 DL (4 nominated)
 - 10. Call for 2017 DL Nominations
 - 11. WTC member received 2016 Marconi Paper Award
 - 12. WTC Newsletter No. 3 update
 - 13. TAC meeting summary
- ◆ Finish: 1:05pm

Our WTC

1. Website: <http://wtc.committees.comsoc.org/>
2. *1397 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.

Update of WTC Activities

WTC Endorsement of Conferences

1. For ComSoc technical sponsorship, TC endorsement is usually required
2. For WTC to endorse a conference
 - The conference should be relevant to WTC
 - Three WTC members should be involved in the conferences TPC
 - The conference shall enjoy a good reputation among the community
3. WTC has endorsed twelve conferences

Endorsed Events in 2016

- ◆ IEEE SARNOFF 2016
- ◆ ICSPCS 2016
- ◆ IEEE WISEE 2016
- ◆ ICT-DM 2016
- ◆ Int'l Conf. on ICT Convergence 2016
- ◆ ICCS 2016
- ◆ The 3rd Smart Cloud Networks and Systems conference (SCNS 2016)
- ◆ International Conference on Information Technology Convergence 2017 (ITC 2017)
- ◆ International Conference on Wireless Communications and Signal Processing (WCSP 2017)
- ◆ CLEEN2017 workshop on “Cloud Technologies and Energy Efficiency in Mobile Communication Networks”
- ◆ International Conference on Telecommunications (ICT 2017)
- ◆ The 9th International Conference on COMMunication Systems & NETWORKS (COMSNETS 2017)

Update of WTC Activities

Nomination for Symposium Co-Chairs of ICC and Globecom

1. Nominations have been already made up to GC 2018
 - Signal Processing for Communications Symposium
 - Wireless Communications Symposium
 - Mobile and Wireless Networking Symposium
 - Ad-hoc and Sensor Networking Symposium
 - Communication Theory Symposium
 - Cognitive Radio and Networks Symposium
2. If you are interested in co-chairing future conferences, please let one of the WTC officers know so we can consider you in future requests

WTC Other Accomplishment:

◆ Endorsement for IEEE Fellow:

- WTC endorsed several active members for IEEE Fellow (4 in 2016).

◆ Nomination for ComSoc Distinguished Lecturers:

- In 2016, WTC nominated 4 DL
- For 2017, nominations will be called for by email usually by early August 2017

WTC ML & Website

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

- ***Mailing List:***
 - *Size: 1397* subscribers.
 - *ieeewtc@comsoc.org*
 - *To subscribe:*
 - <http://wtc.committees.comsoc.org/mailling-list/>

Important News from TEAC

- ◆ Emerging Technology Committee
 - Elevate the Big Data STC to full TC
 - Merge 5G Mobile Wireless Internet TC with the ongoing IEEE 5G initiative and the related SIG
 - Put 7 STCs on probation
 - BH/FH Networking
 - Tactile Internet
 - IoT
 - SDN/NFV
 - Quantum Comms
 - Smart Grid
 - Nanoscale Quantum Molecular Comms
 - Disband 6 STC
 - Vehicular NW
 - Cloud Networking
 - Autonomic Communications
 - Situation Management
 - Integrated Fibre WL
 - Cable NW&SV
 - Rename Sub-Technical Committee to Emerging Technology Initiative

WTC Recognition Award

2016 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.

2016 closing date for nominations: September 30, 2016

3 nominations received

2016 WTC Recognition Award Committee

- Chair: Ross Murch (Past Chair of WTC)
- Current WTC Chair (Tarik Taleb)
- 2nd Past WTC Chair (Sherman Shen)
- 3rd Past WTC Chair (Mohsen Guizani)
- A WTC member representing the WTC membership (Michael Fang)

WTC Recognition Award – Past Recipients

- ◆ 2015 Prof. Romano P. Fantacci, Florence University, Italy
- ◆ 2015 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

2016 Winners

2016 WTC Recognition Award Winners

Prof. Mohamed-Slim Alouini
KAUST, Mecca, Saudi Arabia



Prof. Junshan Zhang
Arizona State Univ., USA



2016 WTC Recognition Award Winners

Professor Mohamed-Slim Alouini

**King Abdullah University of Science and Technology (KAUST),
Thuwal, Makkah Province, Saudi Arabia**



Brief Biography

- ◆ **Mohamed-Slim Alouini** (S'94, M'98, SM'03, F'09) was born in Tunis, Tunisia. He received the Ph.D. degree in Electrical Engineering from the California Institute of Technology (Caltech), Pasadena, CA, USA, in 1998. He served as a faculty member in the University of Minnesota, Minneapolis, MN, USA, then in the Texas A&M University at Qatar, Education City, Doha, Qatar before joining King Abdullah University of Science and Technology (KAUST), Thuwal, Makkah Province, Saudi Arabia as a Professor of Electrical Engineering in 2009.
- ◆ Prof. Alouini is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), a member of the Thomson ISI Web of Knowledge list of Highly Cited Researchers and of the Elsevier/Shanghai Ranking list of Most Cited Researchers, an IEEE Distinguished Lecturer of the IEEE Communications Society, and a co-recipient of best paper awards in ten IEEE conferences (including ICC, GLOBECOM, VTC, PIMRC and DySPAN). His research interests include the modeling, design, and performance analysis of wireless communication systems.



**The IEEE Wireless Communications Technical Committee (WTC)
is proud to present the 2016 WTC Recognition Award to**

Professor Mohamed-Slim Alouini

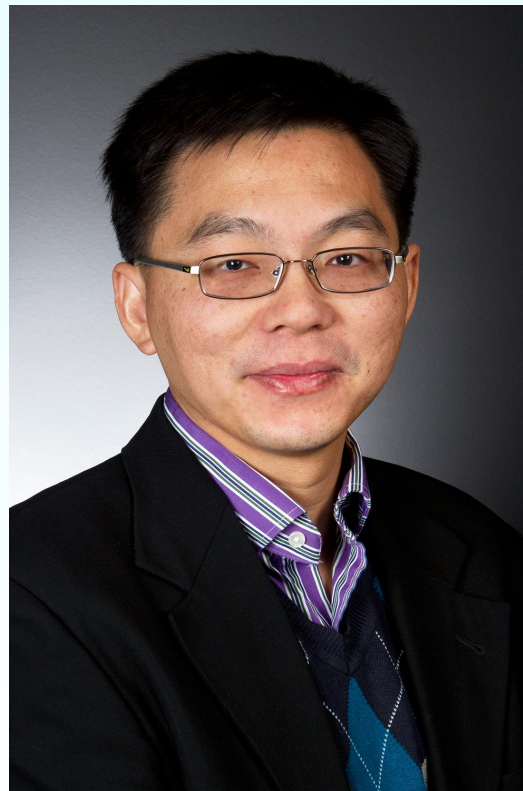
**for his outstanding technical contributions in the field and
for his service to the scientific and engineering communities**

Tarik Taleb
IEEE WTC Chair
December 2016

Ross Murch
WTC Award Committee Chair
December 2016

2016 WTC Recognition Award Winners

**Professor Junshan Zhang
Arizona State University, USA**



Brief Biography

- ◆ **Junshan Zhang** (M'00-SM'05-F'12) received his Ph.D. degree from the School of ECE at Purdue University in 2000. He joined the School of ECEE at Arizona State University in August 2000, where he has been Fulton Chair Professor since 2015. His research interests fall in the general field of information networks and its intersections with social networks and power networks. His current research focuses on fundamental problems in information networks and energy networks, including modeling and optimization for cyber-physical systems, optimization/control of mobile social networks and cognitive radio networks, and privacy/security in information networks. Prof. Zhang is a fellow of the IEEE, and a recipient of the ONR Young Investigator Award in 2005 and the NSF CAREER award in 2003. He received the Outstanding Research Award from the IEEE Phoenix Section in 2003. His papers have won a few awards, including the Kenneth C. Sevcik Outstanding Student Paper Award of ACM SIGMETRICS/IFIP Performance 2016, the Best Paper Runner-up Award of IEEE INFOCOM 2009 and IEEE INFOCOM 2014, and the Best Paper Award at IEEE ICC 2008. He was TPC co-chair for IEEE INFOCOM 2012 and ACM MOBIHOC 2015. He was the general chair for WiOpt 2016 and IEEE Communication Theory Workshop 2007. He was an Associate Editor for IEEE Transactions on Wireless Communications, an editor for the Computer Network journal and an editor IEEE Wireless Communication Magazine. He was a Distinguished Lecturer of the IEEE Communications Society. He is currently serving as an editor-at-large for IEEE/ACM Transactions on Networking and an editor for IEEE Network Magazine.



**The IEEE Wireless Communications Technical Committee (WTC)
is proud to present the 2016 WTC Recognition Award to**

Professor Junshan Zhang

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

**Tarik Taleb
IEEE WTC Chair
December 2016**

**Ross Murch
WTC Award Committee Chair
December 2016**

WTC Newsletters

WTC Newsletters

- **Editor**
 - Prof. Bechir Hamdaoui, Oregon State University, USA
 - Email: hamdaoui@eecs.oregonstate.edu
- ***Twice a year***
 - *To be issued prior to every ICC and Globecom WTC meeting.*
- ***All editions***
 - *Sent out to the Mailing List*
 - *Posted on the WTC website*
- ***All are invited to contribute***
 - *If interested in sending info to the newsletter, please contact Prof. Hamdaoui at hamdaoui@eecs.oregonstate.edu*

WTC Elections

WTC Nomination Committee

- ◆ Tarik Taleb, Current WTC Chair
- ◆ Ross Murch, Past WTC Chair
- ◆ Sherman Shen, 2nd Past WTC Chair
- ◆ Mohsen Guizani, 3rd Past WTC Chair
- ◆ Jeffrey Andrews, WTC member representative

Candidates

◆ Chair position:

- Shuguang Cui, nominated by Prof. Lajos Hanzo and Prof. Andrea Goldsmith

◆ Vice-chair position:

- Wei Zhang, nominated by Prof. Lajos Hanzo and Prof. Khaled Ben Letaief

◆ Secretary position:

- Bechir Hamdaoui, nominated by Prof. Khaled Ben Letaief
- Huaiyu Dai, nominated by Prof. Andreas F. Molisch and Prof. Robert Schober
- Matthew Valenti, nominated by Prof. Ted Rappaport

Who is eligible to vote?

◆ Voting member:

- A WTC voting member shall be an active member of the WTC, or a past WTC officer, or a winner of WTC Recognition Award.
- In addition to the above, a WTC voting member must be an IEEE Communications Society member, or an IEEE Communications Society student member.
- WTC P&P: <http://wtc.committees.comsoc.org/policies-and-procedures/>

◆ A member becomes an active member if he/she has attended two or more of the prior five regularly scheduled WTC meetings.

- Source: WTC P&P: <http://wtc.committees.comsoc.org/policies-and-procedures/>

How to vote?

WTC Election – 6 Dec. 2016				
Chair	<input type="checkbox"/> Shuguang Cui		<input type="checkbox"/> Other ()	
Vice-Chair	<input type="checkbox"/> Wei Zhang		<input type="checkbox"/> Other ()	
Secretary	<input type="checkbox"/> Bechir Hamdaoui	<input type="checkbox"/> Huaiyu Dai	<input type="checkbox"/> Matthew Valenti	<input type="checkbox"/> Other ()

Legacy in the last 2 years

WTC Major Achievements during the last 2 years

- ◆ Important Revision of the WTC P&P
 - Definition of active members
 - Definition of voting requirements
- ◆ WTC Mailing List hosted by IEEE ComSoc
 - *New: ieeewtc@comsoc.org*
 - *Old: WTC.Mail@bbcr.uwaterloo.ca*
- ◆ WTC Website hosted by IEEE ComSoc
 - *New: <http://wtc.committees.comsoc.org/>*
 - *Old: <http://bbcr.uwaterloo.ca/~wtc/>*
- ◆ WTC Lightning Talks & Close Coordination with other TCs/
STCs
- ◆ Newsletters

WTC Elections - Results

Elected WTC Officers

- ◆ Elected Chair: Shuguang Cui
- ◆ Elected Vice-Chair: Wei Zhang
- ◆ Elected Secretary: Bechir Hamdaoui

Any other Business?

Thank You!

**Next WTC meeting will be held at ICC
2017 in Paris, France**