



IEEE Communications Society (ComSoc) Ad Hoc & Sensor Networks Technical Committee (AHSN TC)

AHSN TC Meeting at IEEE ICC 2017, Paris, France

Chair: Jalel Ben-Othman

Vice Chair: Cheng Li

Secretary: Soumaya Cherkaoui

Monday, May 22nd 2017 12:00pm-14h00pm
Hyatt Regency Etoile, Room Luxembourg/Tuileries

Meeting Agenda

- Welcome and introduction
- Approval of the agenda
- Approval of the minutes of the ICC'16 AHSN TC meeting and GC' 16 AHSN TC
- Business arising from the minutes
- AHSN TC newsletters
- Standard Liaison Report
- Update on AHSN TC activities on conferences/symposia
- Other business
- Next AHSN TC meeting
- Meeting adjourn

AHSN TC Recertification

- COMSOC conducts recertification for TCs each 4 years
- AHSN TC was solicited to report on activities during last four years
 - Membership
 - Activities
 - Support of COMSOC activities, such as publications, meetings and membership development
 - Support of COMSOC activities in standardization
- AHSN TC officers submitted report
- Recertification **has been approved**

TC Newsletter Update

- TC Newsletter Update
 - Dr. Sidi-Mohammed Senouci, France
 - Dr. Yacine Ghamri-Doudane, University of La Rochelle, France
- Aim to have two issues per year
- 2017 Newsletter Article (ICC' 17)
 - Title: Security Issues and Solutions in Smart Grid: FUSE-IT European -Project Use-case
 - Authors: Mohamed Attia (U.Burgundy, France), Sidi Mohammed Senouci(U. Burgundy, France), Shohrer Avhar (IMTTSP,France), Jen Rossey (IMEC, Belgium), Luc Lutin (NIKO, Belgium) and Isabel Praça (GECAD, Portugal)
 - The aim of this work is to develop a smart secured building system, incorporating secured shared sensors, effectors and devices strongly interconnected through trusted federated energy & information networks.
- Link to different issues of the newsletter moved to the TC web portal
 - <http://ahsn.committees.comsoc.org/newsletter/>
- Next 2017 Newsletter Articles (GC' 17)
 - Contributions are solicited.

TC Newsletter Editorial Board

- Editor-in Chief

- Yacine Ghamri-Doudane, University of La Rochelle, France

- Co-Editor-in Chief

- Sidi-Mohammed Senouci, University of Burgundy, France

- Co-Editors

- Mohamed Fathy Feteiha, Queen's University, Canada
- Burak Kantarci, University of Ottawa, Canada
- Damla Turgut, University of Central Florida, U.S.A.

The members of the TC Newsletter Editorial Board can be contacted for any additional information regarding possible contributions

Standards Liaison Report

Sharief Oteafy

Adjunct Assistant Professor

School of Computing, Queen's University, Canada

Web: research.cs.queensu.ca/~oteafy/

Highlighted Activities

- AHNTC is one of the most active TCs in IEEE ComSoc Standards Development (SDB) Board.
- AHSNTC liaison is also member of SPDB.
- AHNTC liaison provides comments and suggestions on various activities including the commission of new standards projects.
- Liaison participates in the discussions regarding new PARs and standards that interesting to AHSNTC.
- AHNTC has been a vocal proponent for involving TCs actively in IEEE SDB/SPDB.
- AHNTC presence in IEEE SPDB has a long lasting impact on future communication technologies.

Important Related Activities

ComSoc Rapid Reaction Standardization-5G

ComSoc Group - 5G Standardization Activities. By invitation of Standards Activities Council

Research Group of IoT Services

RG Chair-Yacine Ghamri-Doudane. Membership: IoT Services RG, CSPDB, ComSoc SA Council, Supporting Staff.

Research Group of IoT Infrastructures

RG Chair-JaeSeung Song. Membership: IoT Architectures RG, CSPDB, ComSoc SA Council, Supporting Staff.

Research Group on IoT Communications and Networking Infrastructure

RG Chair-Stefano Giordano. Membership: IoT Communications and Networking Infrastructure RG, CSPDB, ComSoc SA Council, Supporting Staff.

Important Related Activities (Cont' d)

Research Group on SDN/NFV - Structured
Abstractions

CSPDB Research Group on SDN/NFV -
Structured Abstractions, Chair Ken Kerpez

RG on Software Defined and Virtualized
Wireless Access

Standardization Research Group on
Software Defined and Virtualized Wireless
Access

Cloud Communications and Networking
(new)

Emerging Technical Subcommittee on
Cloud Communications and Networking

Please join these groups on:
<http://community.comsoc.org/groups>

Standards Liaison Report update

Attended GC 16 meetings:

- IEEE Communications Society Standardization Program Development Board
- Emerging Technology Committee: Tactile Internet Sub-Committee
- Tactile Internet WG

Standards Liaison Report update

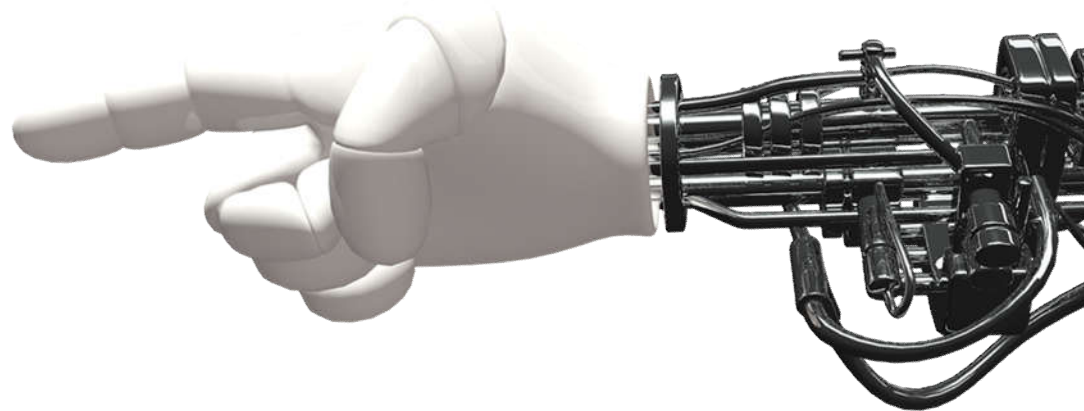
Representing AHSN in the following ICC '17 meetings:

- IEEE Communications Society Standardization Program Development Board
- IEEE Big Data TC
- Emerging Technology Committee: Tactile Internet Sub-Committee
- Tactile Internet WG – Currently a voting member

Standards Liaison Report update

P1918.1 WG

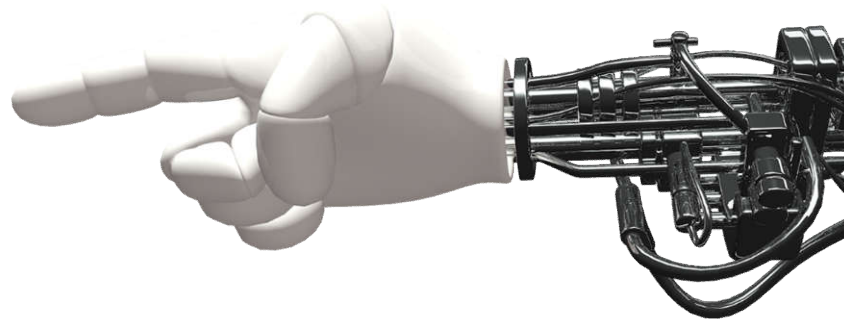
Tactile Internet: Application Scenarios, Definitions and Terminology, Architecture, Functions, and Technical Assumptions



AHSN – Our fit

Remote Control in perceived real-time

**Tangible
object**



**Remote
Operator**

Haptic feedback

Contextual information from AHSNs

Standards Liaison Report update

Potential collaborations

- Interested in joining IEEE Big Data TC?
- Working on Codecs for the Tactile Internet standard?
- Contact:

Sharief Oteafy

oteafy@cs.queensu.ca

TC Activities on Conferences/Symposia

GC/ICC Technical Symposia that AHSN TC Sponsors

- Ah Hoc and Sensor Networks Symposium
 - Mobile and Wireless Networking Symposium
 - Wireless Communications Symposium
 - Cognitive Radio and Networks Symposium
 - Next Generation Networking Symposium
- ICC' 17, Paris, France, May 21-25, 2017
 - SECON' 17, London, UK, June 27-30, 2017
 - GC' 17, Singapore, December 4-8, 2017
 - ICC' 18, Kansas City, USA, May 20-24 2018
 - GC' 18, Abu Dhabi, UAE, December 9-13 2018
 - ICC' 19, Shanghai, China, May 20-24 2018
 - GC' 19, Hawaii, USA, December 9-13 2018
 - 2020 ICC Dublin
 - 2020 GC Taipei
 - 2021 ICC Montreal

ICC' 2017, Paris, France

◆ Executive Co-Chairs

- ◆ Hikmet Sari, Supelec, France

◆ Executive Vice-Chairs

- ◆ Pascal Lorenz, University of Haute Alsace
- ◆ Ramesh Pyndiah, Telecom Bretagne

◆ Technical Program Co-Chairs

- ◆ Méroune Debbah, Huawei
- ◆ David Gesbert, EURECOM

◆ Technical Chair Symposia

- ◆ Abdelhamid Mellouk, University of Paris-Est Creteil VdM

◆ Time and Venue

- ◆ May 21-25, 2017 Paris

Ad Hoc and Sensor Networks Symposium ICC' 2017, Paris, France

◆ **Co-Chairs**

- ◆ Shibo He, Zhejiang University, China
- ◆ Adlen Ksentini, University of Rennes, France
- ◆ Cheng Li, Memorial University of Newfoundland, Canada

◆ **Sponsoring committees**

- ◆ Technical Committee on Ad Hoc and Sensor Networks (AHSN)
- ◆ Technical Committee on Wireless Communications (WC)
- ◆ Technical Committee on Information Infrastructure (TCII)

◆ **Statistics**

- ◆ Paper submissions: 293
- ◆ TPC members: 311
- ◆ Accepted papers: 118
- ◆ Acceptance rate:40.3% (38% for overall ICC)

Mobile and Wireless Networking Symposium ICC' 2017, Paris, France

◆ **Co-Chairs**

- ◆ Mohammed Atiquzzaman, University of Oklahoma, USA
- ◆ Miloud Bagaa, Aalto University, Finland
- ◆ Jalel Ben-Othman, University of Paris 13, France
- ◆ Shaowei Wang, Nanjing University, China

◆ **Sponsoring committees**

- ◆ Technical Committee on Wireless Communications (WC)
- ◆ Technical Committee on Ad Hoc and Sensor Networks (AHSN)
- ◆ + others

◆ **Statistics**

- ◆ Paper submissions: 320
- ◆ TPC members: 323
- ◆ Accepted papers: 109
- ◆ Acceptance rate: 34% (38% for overall ICC)

Cognitive Radio and Networks Symposium ICC' 2017, Paris, France

◆ **Co-Chairs**

- ◆ Oliver Holland, King's College London, UK
- ◆ Walid Saad, Virginia Tech, USA

◆ **Sponsoring committees**

- ◆ Technical Committee on Wireless Communications (WC)
- ◆ Technical Committee on Ad Hoc and Sensor Networks (AHSN)
- ◆ Cognitive Radio Networks

◆ **Statistics**

- ◆ Paper submissions: 93
- ◆ TPC members: 108
- ◆ Accepted papers: ??
- ◆ Acceptance rate:??

Wireless Communications Symposium ICC' 2017, Paris, France

◆ **Co-Chairs**

- ◆ Mohamad Assaad, CentraleSupélec, France
- ◆ Azzedine Boukerche, University of Ottawa, Canada
- ◆ Davide Dardari, University of Bologna, Italy
- ◆ Hämäläinen Jyri, Aalto University, Finland
- ◆ Yahong Rosa Zheng, Missouri University of Science and Technology, USA

◆ **Sponsoring committees**

- ◆ Technical Committee on Wireless Communications (WC)
- ◆ Technical Committee on Ad Hoc and Sensor Networks (AHSN)
- ◆ Plus Others

◆ **Statistics**

- ◆ Number of submissions: 546
- ◆ Number of TPC members: 316
- ◆ Number of accepted papers: 209
- ◆ Acceptance rate: 38.2%

Next Generation Networking Symposium ICC' 2017, Paris, France

◆ **Co-Chairs**

- ◆ Shiwen Mao, Auburn University, USA
- ◆ Mahesh K. Marina, University of Edinburgh, UK
- ◆ Sidi-Mohammed Senouci, University of Bourgogne, France

◆ **Sponsoring committees**

- ◆ Technical Committee on Wireless Communications (WC)
- ◆ Technical Committee on Ad Hoc and Sensor Networks (AHSN)
- ◆ Cognitive Radio Networks

◆ **Statistics**

- ◆ Paper submissions: 179
- ◆ TPC members: 186
- ◆ Accepted papers: 73
- ◆ Acceptance rate: 40%

GC' 17, Singapore, December 2017

Symposium Chair Recommendation from the AHSN TC

- Adhoc and Sensor Networking Symposium
Prof. Jiajia Liu, Xidian University, China
Walaa Hamouda, Concordia University, Canada
Mohamed Younis, University of Maryland, USA
Tao Shu, Auburn University, USA
- Mobile and Wireless Networking
Dusit Niyato, Nanyang Technological University, Singapore
Chadi Assi, Concordia University, Canada
Shaowei Wang, Nanjing University, China

GC' 17, Singapore, December 2017

Symposium Chair Recommendation from the AHSN TC

- Wireless Communications Symposium

Kaibin Huang, The University of Hong Kong, Hong Kong

Andrea Conti, University of Ferrara, Italy

Yi Gong, Southern University of Science and Technology, China

Zhiguo Shi, Zhejiang University, China

Mohamed-Slim Alouini, KAUST, Saudi Arabia

- Cognitive Radio and Networks

Jianwei Huang, The Chinese University of Hong Kong, Hong Kong

K.P. Subbalakshmi, Stevens Institute of Technology, USA

Yue Gao, Queen Mary University of London, United Kingdom

- Next-Generation Networking and Internet Symposium

F. Richard Yu, Carleton University, Canada

- Walter Cerroni, University of Bologna, Italy

ICC' 18, Kansas City, May 2018

Symposium Chair Recommendation from the AHSN TC

- Adhoc and Sensor Networking Symposium
Prof. Soumaya Cherkaoui, University of Sherbrooke
- Mobile and Wireless Networking
Prof. Azzedine Boukerche, University of Ottawa
- Wireless Communications Symposium
Prof. Walaa Hamouda, Concordia University
- Cognitive Radio and Networks
Prof. Jiajia Liu, Xidian University, China
- Next Generation Networks
Prof. Shuai Hai, Harbin Institute of Technology, China

GC' 18, Abu Dhabi, UAE, 2018

Symposium Chair Recommendation from the AHSN TC

- Ad hoc and sensor networks symposium:

Dr. Hossam Hassanein, University of Queen's University, Canada

- Mobile and wireless networking symposium:

Dr. Weixiao Meng (Associate Dean, Harbin Institute of Technology)

- Wireless communications symposium:

Dr. Hyunbum Kim University of North Carolina at Wilmington, USA

- Cognitive radio networks symposium:

Dr. Sharief Oteafy, University of Queen's University, Canada

- Next generation networks symposium:

Dr. Jiajia Liu, Xidian University, China

Other Businesses

- 2017 AHSN Technical Committee Technical Recognition
- Future GC/ICC Technical Program Committee Activities
- IEEE Fellow / Senior Member Promotion

Officer Contact Information

Chair

Dr. Jalel Ben-Othman, Professor
University of Paris 13 Tel: +33-149 40 28 93, Email: jbo@univ-paris13.fr
URL: <http://www-12ti.univ-paris13.fr/~jbo/>

Vice Chair

Dr. Cheng Li, Professor, P.Eng. SMIEEE
Department of Electrical and Computer Engineering, Memorial University, Canada
Tel: +1-709-864-8972, Email: licheng@mun.ca
URL <http://www.engr.mun.ca/~licheng/>

Secretary

Dr. Soumaya Cherkaoui, Professor, Ing.
Department of Electrical and Computer Engineering, Sherbrooke University, Canada
Tel: +1-819-821-8000 Email: s.cherkaoui@usherbrooke.ca
URL <https://www.gel.usherbrooke.ca/interlab/index.php?page=soumaya/>