

## **Minutes of the AHSN TC minutes**

**Time: Tuesday, December 11<sup>th</sup>, 2018 , 7:30 - 9:00 AM**

**Location: Capital Suite 5**

**ADNEC center, Abu Dhabi, UAE**

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### **AHSN TC Officers:**

Chair: Cheng Li

Vice Chair: Soumaya Cherkaoui

Secretary: Jiajia Liu

Past Chair: Jalel Ben Othman

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**Number of Attendees:** 59 people

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The meeting started at 7:40 am and was adjourned at 8:35 am.

- **Welcome message and introduction**

Dr. Cheng Li welcomed the attendees of the AHSN TC meeting. A total of 59 attendees were present at the meeting.

Dr. Cheng Li congratulated two new AHSN members who were elevated to the stature of “Fellow of IEEE” by ComSoc, namely Prof. Shiwen Mao and Prof. Yi Qian.

- **Approval of the meeting agenda**

Dr. Li Meeting agenda got approved by the meeting attendees unanimously.

- **Approval of the minutes of the ICC'17 AHSN TC meeting**

Motion to approve agenda and meeting minutes moved by Dr. Azzedine Boukerche and Seconded by Dr. Hossam Hassanein. Motion passed unanimously.

- **Business arising from the minutes**

There was no business arising.

- **The AHSN TC 2018 Technical Achievement and Recognition Award**

Dr. Jalel Ben Othman, the Past TC Chair, introduced the history, objectives, the criteria and procedure of this award. Nomination has been solicited by e-mail from the AHSN TC members. Selection committee members are:

- Dr. Jalel Ben Othman, Past TC Chair
- Dr. Nei Kato, Tohoku University, Past TC Chair
- Dr. Azzedine Boukerche, University of Ottawa, TC Chair
- Dr. Sherman Shen, University of Waterloo
- Dr. Cheng Li, Memorial University, TC Chair

The recipients of this year’s award are **Dr. Mohsen Guizani**, University of Idaho, USA and **Dr. Hsiao-Hwa Chen**, National Cheng Kung University, Taiwan, for outstanding achievements, exemplary leadership and dedicated services to the ad hoc and sensor networking research community. Dr. Ben Othman introduced the importance of this award and presented the award

to both recipients. The attendees congratulated Dr. Guizani and Dr. Chen for winning this award.

- **The AHSN TC Newsletter Update**

- Dr. Yacine Ghamri-Doudane, Co-Editor-in-Chief of the AHSN TC Newsletter, provided an update of the newsletter activities. He noted that AHSN members are encouraged to submit letters ~1500 words, and that their work will reach out to all AHSN members.
- This year's newsletter is featured by an article contributed by a team from Kent, Essex and France, under the scope of Security and Privacy in IoT
- There are currently two newsletters published every year, and the plan is to expand into four newsletters annually.
- The current newsletter homepage is under the TC webpage, which includes all past issues, at this link: <http://ahsn.committees.comsoc.org/newsletter/>
- Dr. Ghamri-Doudane invited meeting attendees to contribute their articles related to ad hoc, sensor, and mesh networks, articles can be in form of project introduction or a survey.
- The TC Newsletter Editorial Board is comprised of the following TC members:
  - 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.

- **Standards liaison report**

- Dr. Sharief Oteafy, the AHSN liaison to the IEEE Standards Association board, presented his report on liaison activities. He noted attending IEEE SA meetings, and relayed their interest and encouragement for TCs to contribute to the IEEE Communications Standards Magazine.
- Dr. Oteafy also explained his involvement in the IEEE Tactile Internet Standards working group, and the potential for AHSN integration in the developing standard. The attendees were invited to contribute to the developing standard, and address potential integration directions with AHSN topics.
- Members of the AHSN were encouraged to seek to collate a number of solid references in AHSN fields, so that they may be posted under "best readings" on the IEEE ComSoc portal.
- The attendees were invited to relay any questions or issues they would like to raise with the IEEE SA board, for Dr. Oteafy to relay them to their meetings. No questions or issues were raised at the time.

- **Reports on Activities**

Dr. Cheng Li introduced the AHSN TC and highlighted the activities that AHSN TC organized and participated in. Dr. Li emphasized that the AHSN TC is one of the most active TCs under the IEEE Communications Society (ComSoc) Standards Development Board (SDB), and that the AHSN TC liaison is also a member of the SPDB.

Dr. Cheng Li emphasized that AHSN TC is a vocal proponent for involving TCs actively in

the IEEE SDB/SPDB, and that AHSN TC presence in IEEE SPDB has a long lasting impact on future communication technologies.

Dr. Cheng Li emphasize the important activities of the AHSN TC, listed as follows:

- *ComSoc Rapid Reaction Standardization-5G*  
ComSoc Group - 5G Standardization Activities.  
By invitation of Standards Activities Council
- *Research Group (RG) of IoT Services*  
RG Chair: Yacine Ghamri-Doudane.  
Membership: IoT Services RG, CSPDB, ComSoc SA Council, Supporting Staff.
- *RG on IoT Architectures*  
RG Chair: JaeSeung Song.  
Membership: IoT Architectures RG, CSPDB, ComSoc SA Council, Supporting Staff.
- *RG on IoT Communications and Networking Infrastructure*  
RG Chair: Stefano Giordano.  
Membership: IoT Communications and Networking Infrastructure RG, CSPDB, ComSoc SA Council, Supporting Staff.
- *RG on SDN/NFV - Structured Abstractions*  
CSPDB Research Group on SDN/NFV - Structured Abstractions,  
RG 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

### **Reports on Conferences**

Dr. Cheng Li explained the ICC/GC Symposium Co-Chair selection process discussed at the GITC meeting. The TCs recommend the candidates for their sponsored symposiums and the TPC chair makes the final decision on the co-chairs.

Dr. Li noted a GITC policy, where there will be a cap on the number of GC/ICC symposia a single member may co-chair, within a given time period. That is, no member may co-chair more than one AHSN symposium within a two year window. Thus, the AHSN TC should factor this in future nominations.

Dr. Li presented reports of the following TC activities on symposiums/conferences.

• **Sponsored Activities:**

**GC'2018, Abu Dhabi, UAE**

*Ad Hoc and Sensor Networks Symposium*

Co-Chairs

- Soumaya Cherkaoui, University of Sherbrooke, Canada.
- Hadi Otrok, Khalifa University, UAE.
- Sharief Oteafy, DePaul University, USA.
- Weixiao Meng, Harbin Institute of Technology, China.

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: 168
- TPC members: 361
- Accepted papers: 72
- Acceptance rate: 42.86%

*Mobile and Wireless Networking Symposium*

Co-Chairs

- Jun Zheng, Southeast University, China.
- Adlen Ksentini, Eurecom, France.
- Sami Muhaidat, Khalifa University, The United Arab Emirates.
- Konstantinos Samdanis, Huawei Tech, Germany.

Sponsoring committees

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

Statistics

- paper submissions: 271
- TPC members: 215
- Accepted papers: 99
- Acceptance rate: 36.53%

*Cognitive Radio and Networks Symposium*

#### Co-Chairs

- Octavia A. Dobre, Memorial University, Canada.
- C. Faouzi Bader, CentraleSupélec, France.
- Zhiyong Feng, Beijing University of Post and Telecommunications, China.

#### Sponsoring committees

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

#### Statistics

- paper submissions: 83
- TPC members: 139
- Accepted papers: 35
- Acceptance rate: 42.17%

#### Wireless Communications Symposium

#### Co-Chairs

- Yuan Shen, Tsinghua University, China.
- Hyunbum Kim, University of North Carolina at Wilmington, USA.
- Daniele Tarchi, University of Bologna, Italy.
- Sheng Zhou, Tsinghua University, China.
- Athanasios C. Iossifides, Alexander TEI of Thessaloniki, Greece.

#### Sponsoring committees

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

#### Statistics

- Paper submissions: 392
- TPC members: 486
- Accepted papers: 160
- Acceptance rate: 40.82%

#### Next Generation Networking Symposium

#### Co-Chairs

- Abdelhamid Mellouk, Université Paris-Est Créteil, France.
- Hongbin Luo, Beihang University, China.
- Periklis Chatzimisios, Alexander TEI of Thessaloniki, Greece.

#### Sponsoring committees

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

- Cognitive Radio Networks

#### Statistics

- Paper submissions:
- TPC members: 136
- Accepted papers: 74
- Acceptance rate:: TBD

### **ICC'2019, Shanghai, China**

#### Ad Hoc and Sensor Networks Symposium

##### Co-Chairs

- Hossam Hasanein, Queen's University, Canada
- Jiajia Liu, Xidian University, China
- Christos Douligeris, University of Piraeus, Greece

##### 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: 167
- TPC members: 361
- Accepted papers: 64
- Acceptance rate: 38. 3%

#### Mobile and Wireless Networking Symposium

##### Co-Chairs

- Mianxiong Dong, Muroran Institute of Technology, Japan
- Ye Li, Nantong University, China
- Noriaki Kamiyama, Fukuoka University , Japan
- Wei Chen, Tsinghua University, China

##### Sponsoring committees

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

##### Statistics

- Paper submissions: 279
- TPC members: 215
- Accepted papers: 109
- Acceptance rate: 39. 1%

### Cognitive Radio and Networks Symposium

#### Co-Chairs

- Lingjie Duan, Singapore Uni. of Technology and Design, Singapore
- Li Wang, Beijing University of Posts and Telecom, China

#### Sponsoring committees

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

#### Statistics

- Paper submissions: 55
- TPC members: 139
- Accepted papers: 20
- Acceptance rate: 36. 4%

### Wireless Communications Symposium

#### Co-Chairs

- Xu (Judy) Zhu, University of Liverpool, UK
- Harpreet Dhillon, Virginia Tech, USA
- Feifei Gao, Tsinghua University, China
- Julian Cheng, University of British Columbia, Canada
- Andreas Knopp, Universität der Bundeswehr München, Germany

#### Sponsoring committees

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

#### Statistics

- Paper submissions: 438
- TPC members: 486
- Accepted papers: 170
- Acceptance rate: 38. 8%

### Next Generation Networking Symposium

#### Co-Chairs

- Stefano Secci, UPMC Sorbonne, France
- Miao Zhao, Hong Kong Polytechnic University
- Rami Langar, UPEM, France

#### Sponsoring committees

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

- Cognitive Radio Networks

#### Statistics

- Paper submissions: 231
- TPC members: 136
- Accepted papers: 90
- Acceptance rate: 39%

- **Other TC Sponsored conferences:**

WiMoB'18, Limassol, Cyprus, October 15-17, 2018

#### WiMob 2017 Tracks

1. Wireless Communications
2. Wireless Networking, Mobility and Nomadicity
3. Ubiquitous Computing, Services and Applications
4. Green and Sustainable Communications and Network computing
5. Security on Wireless and Mobile Networks

#### Statistics:

Submission: 210  
Accepted Papers: 59  
Acceptance Ratio: 28.1%

ICNC'19, Hawaii, USA, February 18-21 2019

ICNC'18: 250 attendees

- **AHSN website and mailing list**

– Dr. Cheng Li updated the AHSN TC on the status of the TC's mailing list and website. They are now both hosted on ComSoc servers, and they will be managed by ComSoc staff.

- **Other business**

– Dr. Cheng Li raised the issue of dropping submissions for AHSN symposia, and asked the AHSN TC members for suggestions and input to increase submission rates.

– Dr, Cheng Li encouraged TC members to be more active in TC activities, to grow and improve their nomination chances in AHSN TC roles.

– Future GC/ICC Technical Program Committee Activities

– IEEE Distinguished Lecturers (DLT)

– IEEE Fellow / Senior Member Promotion

- **Next meeting**



- Next AHSN TC meeting at GC'18, Abu Dhabi, UAE, December 2018.

- **Meeting Adjourn**

The meeting was adjourned at 8:40 am.

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Chair: Cheng Li

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Vice Chair: Soumaya Cherkaoui

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Secretary: Jiajia Liu