Minutes of the IoT & AHSN TC meeting
Held in conjunction with IEEE GC 2022
Time: Wednesday Nov. 23, 2022 · 9am – 11am EST
Location: online

IoT & AHSN TC Officers:
>   Chair: Jiajia Liu
>   Vice Chair: Sharief Oteafy
>   Secretary: Shuai Han

Number of Attendees: 63

The meeting started at 9:05 am.

Welcome message and introduction

Dr. Jiajia Liu welcomed the attendees of the IoT & AHSN TC meeting. A total of 63 attendees were present at the meeting. The attendees were reminded to add their names to the chat window as well as a google form to register attendance.

Approval of the meeting agenda

Dr. Jiajia called for approval of the agenda. The motion was moved by Dr. Sharief Oteafy, and seconded by Dr. Shuai Han. The motion passed unanimously.

Approval of the minutes of the Globecom 2020 IoT-AHSN TC meeting

Motion to approve meeting minutes of the IEEE Globecom 2021 meeting was moved by Dr. Azzedine Boukerche, and seconded by Dr. Rodolfo Coutinho. The motion passed unanimously.

IoT-AHSN TC 2022 Technical Achievements Award

Dr. Jiajia Liu introduced the history, objectives, the criteria and procedure of this award. Nomination has been solicited by e-mail from the AHSN TC members. Awards Subcommittee members are:

Subcommittee Chair: Soumaya Cherkaoui (Past TC Chair)

Subcommittee member: Hossam Hassanein (Past Chair)

Subcommittee member: Nirwan Ansari (Past Chair)

Subcommittee Member: Hussein Mouftah (Award Recipient)

Subcommittee Member: Shuai Han (TC Secretary)

The recipient of this year's award is **Dr. Albert Zomaya, The University of Sydney，Australia**, for his achievements and contributions to IoT-edge networking, internet of things, and sensor networks. Dr. Jiajia Liu introduced the importance of this award and presented the award to both recipients. The attendees congratulated Dr. **Albert Zomaya** for wining this award.

Overview of IoT & AHSN TC

Dr. Jiajia presented an overview of the IoT & AHSN TC, explaining its purpose, areas of interest, membership conditions (enrolling in mailing list & being a ComSoc member), and reminded the attendees of the official website for the TC: https://ahsn.committees.comsoc.org/

Attendees were asked to ensure that they register on the official mailing list with the full name and e-mail, to ensure accurate tallying of active members in the TC.

Dr. Jiajia announced that the TC has been recertified successfully this year.

Dr. Jiajia looks back the History of the IoT-AHSN TC.

Dr. Jiajia introduces that all the TCs of ComSoc are on going a restructure.

The IoT & AHSN TC Newsletter Update

The current TC Newsletter Editorial Board, comprised of the following TC members
Editor-in Chief: Qiang Ye, Dalhousie University, Canada
Co-Editors: Moes Esseghir, University of Technology of Troyes, France
               Lu Lv, Xidian University, China

- Dr. Jiajia presented a summary on the 16th newsletter , which featured 1 article, and it is posted on the newsletter homepage (under the TC webpage), which includes all past issues, at this link: http://ahsn.committees.comsoc.org/newsletter/
- A call for contributions to future editions of the newsletter was extended to all attendees.

Standards liaison report

- Dr. Rodolfo Coutinho, Concordia University (Canada), presented his report on liaison activities. He noted attending IEEE SA meetings, and recent IEEE SPDB and SDB activities.
- Dr. Coutinho presented a detailed overview on the work of the IEEE SPDB, SDB, and its recent activities.
    - 5 meetings since last report
    - Updates in the board webpage (WG and Projects)
    - PAR from Channel Propagation Modeling Ad Hoc Group
    - Standard for Metaverse: Terminology, Definitions, and Taxonomy
    - Awareness to standardization
- Dr. Jiajia emphasized that standards liaison report is very important since standards is a key aspect of the TC recertification.
- Dr. Sharief added that it's important to get collaborations with other TCs since some new and valuable aeras, like metaverse, falls in the expertise of multiple TCs. And call for participations or foundation of the corresponding SIGs.

Industry Seminar Series

- Dr. Anwar Haque introduced the seminars organized last year including speakers from Huawei, Bell Canada and Nokia. And will continue inviting distinguish speakers from industry in the coming year and talked about the tentative plans about the regular series.
- Dr. Sharief and Shuai thank for Anwar's effort and call for more participants.
- Dr. Jiajia give suggestions of the frequency , topics and potential speakers for industry

seminars.

Report from the chair on TC activities

- An overview on the endorsement policy of the TC was presented by Dr. Jiajia. Specifically, that when a conference is endorsed, a report on submissions, review process, etc., shall be sent to the TC for follow up.
- The IoT & AHSN TC endorsed the following conferences:
  - Wincom 2022
    - Abdellatif Kobbane, ENSIAS, Mohammed V University in Rabat
    - Jalel Ben-Othman, Paris 13 University, France
    - Shuai Han, Harbin Institute of Technology, China
      - **1 Best paper award**
      - **1 Best Student paper Award**
      - **10 Demo-Innovation projects (Demo-IP)**
      - **2 Best Demo-IP**
      - **4 Keynotes speakers**
      - **4 Industrial keynotes**
      - **1 special session**
      - **130 participants**
  - ICCSN 2022
    - Tan Xiaoheng, Executive Vice Dean, School of Microelectronics and Communication Engineering, Chongqing University, China
    - Jalel Ben-Othman, University of Paris 13, France
    - Wei Wu, The 54th Research Institute of China Electronics Technology Group Corporation, China
    - Total number of submissions = 68
    - Total number of accepted papers = 35
  - IWCMC 2023
    - Dr. Bo Rong, Communications Research Centre, Canada
    - Dr. Mohamed Essaaidi, ENSIAS, Morocco
    - Dr. Jiajia Lu, Northwestern Polytechnical University, China
    - Dr. Xiao Wang, University of Alabama, USA
    - Dr. Bechir Hamdaoui, Oregon State University, USA
    - Dr. Shuai Han, Harbin Institute of Technology, China
    - Dr. Abdellatif Kobbane, Mohammed V University in Rabat, Morocco
    - Dr. Mohamed Adel Serhani, UAE University, UAE
    - Dr. Jalel Ben-Othman, University of Paris 13, France
  - GC/ICC Symposia (statistics were presented by Dr. Jiajia):
    - IoT & Sensor Networks (IoT-SN)
    - Mobile and Wireless Networks (MWN)
    - Next Generation Networks (NGN)
    - Wireless Communications Symposium (WC)
- Nominations have been made up to ICC2024.
  - Bomin Mao (Northwestern Polytechnical University)

- Zhou Su (Xi'an Jiaotong University)
- Kaikai Chi (Zhejiang University of Technology)
- Weixiao Meng (Harbin Institute of Technology)
- Endorsements for IEEE Fellow
  - No endorsement request made
  - Please contact us if you need endorsement
- Nomination for ComSoc Distinguished Lecturers
  - Two TC members were nominated.
  - Please contact us if you would like to nominate yourself or a colleague.

Special Interest Groups
- The TC is running four active SIGs, with the following leadership:

SIG	Lead	Advisor
Internet of Unmanned Aerial Networks	Moayad Aloqaily	Sidi-Mohamed Senouci
Industrial IoT Networks	Neeraj Kumar	Abdallah Shami
ML for AHSN & IoT	Lyes Khoukhi	Damla Turgut
IoT in Tactile Internet	Sharief Oteafy & Nikolaos Pappas	Soumaya Cherkaoui

- SIG on IoT in Tactile Internet:
  - No activities recently.
- SIG on Machine Learning for AHSN and IoT networks:
  - IoT & 5G: Intelligent Vision，January 11th，Adlen Ksentini (Professor at EURECOM)
  - Special issue: "Safety and Security in autonomous vehicles" from various perspectives (ML, optimization, etc.), in the Journal of "Transactions on Internet Technology".
- SIG on Internet of Unmanned Aerial Networks:
  - The 6th International Workshop on Intelligent Transportation and Autonomous Vehicles Technologies (ITAVT 2023)
  - An Adaptive UAV Positioning Model for Sustainable Smart Transportation
  - Design Guidelines for Cooperative UAV-supported Services and Applications
  - iTrans5G: Intelligent Transportation Management in Abu Dhabi for Beyond 5G Networks
- SIG on Industrial IoT Networks:
  - No updates, because Dr. Neeraj Kumar can not be reached.
- Dr. Sharief suggests we start to call for new leadership for the inactive SIGs so as to push the SIGs moving forward. Dr. Sharief would like to step down the position first. He also expressed the TC will help and support the new leadership.
- Dr. Moayad suggest we can have two different types of SIGs: active and achieved SIGs.
- Our TC is going to call for new leadership for the current inactive TCs   and also open to new

SIGs.

Other Businesses

- 2023 IoT-AHSN TC Outstanding Service Recognition Award will be presented to Past Chair, Cheng Li, in next TC meeting according to the P&P and traditions.
- SIG Activities
- Future GC/ICC Technical Program Committee Activities
- IEEE Fellow/Senior Member Promotion

Next meeting

- Next IoT & AHSN TC meeting with IEEE ICC2023.

Motion to adjourn the meeting. Moved by: Dr. Sharief Oteafy and seconded by: Dr. Shuai Han.

Meeting Adjourned at 10:20

Appendix A – List of attendees

Names	
Abd-Elhamid M. Taha	Nidal Nasser
Ahmed Kamal	Nikolaos Pappas
Ahmed Refaey Hussein	Ning Zhang
Albert Zomaya	Nitin Gupta
Amr El-Wakeel	Noura Aljeri
Antonio Iera	Ouns Bouachir
Anwar Haque	Pascal LORENZ
Ayman Radwan	Peng Sun
Azzedine Boukerche	Peng Sun
Bernardi Pranggono	Periklis Chatzimisios
Bomin Mao	Qiang Ye
Boubakr Nour	Ranga Rao Venkatesha Prasad
Burak Kantarci	Ricardo Lent
Cheng Li	Rodolfo Coutinho
Claudio Marche	Ruidong Li
Damla Turgut	Ruoyu Su
Danda B Rawat	Safa Otoum
Ekram Hossain	Senouci Sidi MOhammed
Fan Jiang	Sharief Oteafy
Fatima Domingues	Shuai Han
Fulvio Babich	Soumaya Cherkaoui
Hongzhi Guo	Vojislav Misic
Hossam Hassanein	Xiangwei Zhou
Hossein Mouftah	Xu Chen
Ismaeel Al Ridhawi	Yuanfang Chen
Jalel ben othman	Zhuang Ling
Jelena Misic	Zijun Gong
Jiadai Wang	
Karen Pannullo	
Kun Yang	
Liudong Xing	
LORENZ Pascal	
Michael Fang	
Michele Nitti	
Moayad Aloqaily	
Mohammed Atiquzzaman	