

Minutes of the IoT & AHSN TC meeting
Held in conjunction with IEEE ICC 2021
Time: Wednesday, July 28th, 2021, 12:00 - 14:00 EST
Location: online

IoT & AHSN TC Officers:

Chair: Soumaya Cherkaoui

Vice Chair: Jiajia Liu

Secretary: Sharief Oteafy

Number of Attendees: 50

The meeting started at 12:03 am.

• **Welcome message and introduction**

Dr. Soumaya Cherkaoui welcomed the attendees of the IoT & AHSN TC meeting. A total of 50 attendees were present at the meeting. The attendees were reminded to add their names to the chat window to register attendance.

• **Approval of the meeting agenda**

Dr. Cherkaoui called for approval of the agenda. The motion was moved by Dr. Azzedine Boukerche, and seconded by Dr. Rodolfo Coutinho. The motion passed unanimously.

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

Motion to approve meeting minutes of the IEEE ICC 2020 meeting was moved by Dr. Hossam Hassanein, and seconded by Dr. Shiwen Mao. The motion passed unanimously.

• **Overview of IoT & AHSN TC**

Dr. Cherkaoui 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.

• **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. Cherkaoui presented a summary on the 14th newsletter (June 2021), which featured 6 articles, and they are 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.
- Dr. Coutinho is ending his current term by end of 2021, and a call for new Standards Liaison was issued by Dr. Cherkaoui. Nominations are to be sent to the TC officers, including a biography and a statement of interest in the position.

Industry Seminar Series

- Dr. Anwar Haque presented the plan for seminars from industry speakers, planned monthly. He will be appointed as the “Industry Liaison” for the TC for a one year term.
- An inaugural seminar was presented by Dr. Jianglei Ma (Chief scientist at Huawei Canada R&D center) on 26 June 2021, titled “Network sensing for 6G”

Report from the chair on TC activities

- An overview on the endorsement policy of the TC was presented by Dr. Cherkaoui. 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:
 - ISNCC 2021
 - General Chair: Dr. Adel Ben Mnaouer, Canadian University of Dubai, UAE.
 - WiMob 2020
 - General Chairs: Dr. Samuel Pierre and Dr. Fabrice Labeau
 - WiMob 2021
 - General Chairs: Dr. Abderrahim Benslimane and Dr. Laurence Yang
 - Inaugural workshop on IoT and AHSN in the WF-IoT
 - Chairs: Dr. Moayad Aloqaily, Dr. Virginia Pilloni, Dr. Danda Rawat, Dr. Ning Zhang
 - ICNC 2023 (TPC chairs TBD)
 - GC/ICC Symposia (statistics were presented by Dr. Cherkaoui):
 - IoT & Sensor Networks (IoT-SN)
 - Mobile and Wireless Networks (MWN)
 - Next Generation Networks (NGN)
 - Wireless Communications Symposium (WC)
- Nominations have been made up to ICC 2023.
- Endorsements for IEEE Fellow
 - Visit www.ieee.org/fellows for more information about how to write the endorsements
- Nomination for ComSoc Distinguished Lecturers
 - Two TC members were nominated
 - Dr. Walaa Hamouda was awarded DL (Jan 2021 – Dec 2022)
 - Deadline for nomination for DL for the term Jan 2022 – Dec 2023 is September 30th 2021. Dr. Cherkaoui encouraged interested members to contact the officers for nominations (including self nominations)

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 |

- The leaders of each SIG presented summaries of their activities, highlighting the following activities:
- SIG on IoT in Tactile Internet:
 - Distinguished seminar by Prof. Martin Maier, INRS, Canada
 - A feature topic in the IEEE Communications Magazine, lead by Dr. Sharief Oteafy, titled: Tactile Internet: New Frontiers
- SIG on Machine Learning for AHSN and IoT networks:
 - Distinguished Seminar by Dr. Melike Erol-Kantarci, University of Ottawa, Canada
 - Special issue on ML in Vehicular Networks, in Springer’s Journal of Annals of Teleco.
- SIG on Internet of Unmanned Aerial Networks:
 - Distinguished seminar by Dr. Melike Erol-Kantarci, University of Ottawa, Canada in ITU 2021.
 - Special issue in IEEE Wireless Communications titled “Empowering sustainable energy infrastructures via AI-assisted wireless communications”
 - Workshop on Mobile Edge Computing and data analytics for IoT (MECDA) collocated with the IEEE 7th WF-IoT.
- SIG on Industrial IoT Networks:
 - Special Issue in IEEE Micro on “AI, Edge and IoT for smart agriculture”
 - Special Issue in IEEE TNSM on “Embracing AI for Network and Service management”

Update on IoT-AHSN TC Activities

- Dr. Cherkaoui presented an overview on the Technical Achievement and Recognition Award, and the nomination & selection processes. She mentioned that self-nomination or the nomination of a third is possible, and that nominations will be solicited from the community. Dr. Cherkaoui mentioned that a nomination must address the contributions and accomplishments made by the nominee and must include support letters.
- Dr. Cherkaoui noted the composition of the Technical Achievement and Recognition Award subcommittee for the mandate of 2020-2021 and mentioned that the TC Chair cannot serve as a member of the subcommittee, according to the new P&P.

- Dr. Cherkaoui invited one of the Technical Achievement and Recognition Award subcommittee to provide more details about the subcommittee activities. Dr. Ben Othman commented about the activities of the Technical Achievement and Recognition Award subcommittee, and mentioned that a call for nomination will be sent out by September.
- Dr. Cherkaoui reminder attendees that the IEEE TV makes available interesting talks that might be of interest to the TC community. The ComSoc YouTube channel was also mentioned. A reminder that the community can request the delivery of virtual distinguished lectures was presented.
- Finally, Dr. Cherkaoui opened the floor for discussions. She pointed out that any idea to promote TC activities and increase the number of submissions in the TC-sponsored symposia is welcomed.
- Dr. Anwar Haque noted the importance and contributions of industrial seminars. Dr. Haque mentioned that attendees interested in seminars from industry members on a specific topic can reach out to him.

Next meeting

- Next IoT & AHSN TC meeting with IEEE Globecom 2021.

Motion to adjourn the meeting. Moved by: Dr. Shiwen Mao and seconded by: Dr. Mohammed Atiquzzaman

Meeting Adjourned at 13:40

Appendix A – List of attendees

| Names | |
|----------------------|----------------------|
| Abdallah Shami | Peng Sun |
| Abd-Elhamid Taha | Rasheed Hussain |
| Abdellatif Kobbane | Ricardo Lent |
| Abderrezak Rachedi | Rodolfo Coutinho |
| Ahmed Refaey Hussein | Rongxing Lu |
| Ahmed Kamal | RR Venkatesha Prasad |
| Amine Abouaomar | Sameh Sorour |
| Antonio Iera | Sharief Oteafy |
| Anwar Haque | Shiwen Mao |
| Ayman Radwan | Soumaya Cherkaoui |
| Azzedine boukerche | Sudip Misra |
| Bechir Hamdaoui | Tarek Bejaoui |
| Bernardi Pranggono | Voja Mistic |
| Boubakr Nour | Yu Wang (yu) |
| Cheng Li | |
| Damla Turgut | |
| Danda B. Rawat | |
| Éric Renault | |
| Fatima Domingues | |
| Hacene Fouchal | |
| Hai Jiang | |
| Hossam Hassanein | |
| Jalel Ben Othman | |
| Jelena Mistic | |
| Lori Ann Chitty Ray | |
| Louai Al-Awami | |
| Luca Foschini | |
| Lyes Khoukhi | |
| Lynda Mokdad | |
| Manoj BS | |
| Meryem Simsek | |
| Mike Fang | |
| Moayad Aloqaily | |
| Mohammed Atiquzzaman | |
| Mubashir Rehmani | |
| Noura Aljeri | |