

## **Technical Committee on Information Infrastructure and Networking (TCIIN)**

### **Online meeting**

(@Globecom 2022)

Monday, November 28, 2022, (09:00am – 10:30am ET)

The following meeting agenda was proposed and accepted.

1. Welcome and Introduction
2. Approval of the agenda
3. Keynote - “Infrastructure challenges to bring sustainable precision agriculture: use case of dairy farming”- Prof. Abdoulaye Baniré Diallo (computer science dept, UQAM, Canada)
4. Review / Approval of minutes of ICC 2022 TCIIN meeting
5. Conference updates
6. Report on standards
7. Newsletter
8. Awards
9. Special Interest Groups (SIGs)
10. TCs restructure – ongoing process - TC Board
11. Website & mailing list
12. Any other business
13. Next TCIIN Meeting

### **1. Welcome and Introduction**

Prof. Nadjib Ait Saadi (Chair) welcomed attendees and opened the TCIIN meeting. All participants introduced themselves. The list of the attendees is given below:

- Nadjib Ait Saadi (TCIIN Chair) ([nadjib.ait-saadi@uvsq.fr](mailto:nadjib.ait-saadi@uvsq.fr))
- Selma Boumerdassi (TCIIN vice-Chair) ([selma.boumerdassi@cnam.fr](mailto:selma.boumerdassi@cnam.fr))
- Halima Elbiaze (TCIIN Secretary and preparing the meeting minutes) ([elbiaze.halima@uqam.ca](mailto:elbiaze.halima@uqam.ca))
- Yacine Ghamri-Doudane, La Rochelle University, [yacine.ghamri@univ-lr.fr](mailto:yacine.ghamri@univ-lr.fr)
- Pascal LORENZ, University of Haute Alsace, [lorenz@ieee.org](mailto:lorenz@ieee.org)
- Ilhem Fajjari, Orange, [ilhem.fajjari@orange.com](mailto:ilhem.fajjari@orange.com)
- Jalel ben Othman, Centralesupelec
- Lyes KHOUKHI, ENSCIAEN [Lyes.khoukhi@ensicaen.fr](mailto:Lyes.khoukhi@ensicaen.fr)
- Abdallah Shami, Western University, [Abdallah.Shami@uwo.ca](mailto:Abdallah.Shami@uwo.ca)
- Sidi Mohammed Senouci, Bourgogne Univ. [Sidi-Mohammed.Senouci@u-bourgogne.fr](mailto:Sidi-Mohammed.Senouci@u-bourgogne.fr)
- Bernardi Pranggono, Sheffield Hallam University, [bern@ieee.org](mailto:bern@ieee.org)

- Ahmed Refaey Hussein, University of Guelph, [ahmed.refaey@ieee.org](mailto:ahmed.refaey@ieee.org)
- Youssef Iraqi, Mohammed VI Polytechnic University, [Youssef.Iraqi@um6p.ma](mailto:Youssef.Iraqi@um6p.ma)
- Abdelwahab Boulaouache, University of Luxembourg, [abdelwahab.boualouache@uni.lu](mailto:abdelwahab.boualouache@uni.lu)
- Kapal Dev, Munster Technological University, Ireland, [Kapal.dev@ieee.org](mailto:Kapal.dev@ieee.org)
- Abdellatif Kobbane, ENSIAS, [Abdellatif.kobbane@ensias.um5.ac.ma](mailto:Abdellatif.kobbane@ensias.um5.ac.ma)
- Boubakr Nour, Ericsson Research, Montreal, Canada, [n.boubakr@ieee.org](mailto:n.boubakr@ieee.org)
- Nidal Nasser, Alfaisal University, KSA, [nnidal@gmail.com](mailto:nnidal@gmail.com)
- Sherali Zeadally, University of Kentucky, USA, [szeadally@uky.edu](mailto:szeadally@uky.edu)
- Roua Touihri, Institut Polytechnique de Paris-Télécom SudParis, [roua.touihri@ieee.org](mailto:roua.touihri@ieee.org)
- Shiwen Mao, Auburn University, [smao@ieee.org](mailto:smao@ieee.org)
- Mithun Mukherjee, NUIST, Nanjing, China, [mithun.mukherjee@outlook.com](mailto:mithun.mukherjee@outlook.com)

## 2. Approval of the agenda

The agenda the meeting was presented by Prof. Nadjib Ait-Saadi and approved by all the participants.

## 3. Keynotes

The Keynote - “Infrastructure challenges to bring sustainable precision agriculture: use case of dairy farming”- Prof. Abdoulaye Baniré Diallo (computer science dept, UQAM, Canada) is canceled.

## 4. Review / Approval of minutes of GLOBECOM 2021 TCIIN Meeting

The minutes of the last meeting (during IEEE ICC 2022 conference) were presented by Prof. Nadjib Ait-Saadi and approved by all the participants.

Prof. Nadjib Ait-Saadi presents TCIIN Charter and reminds the objectives of IIN. He also presents the focus of TCIIN:

- Advancing humanity through technology by utilization of supportive technologies to enable global networking.
- Narrowing of the “Digital Divide”
- Enabling ICT and infrastructure for development (focusing on underserved areas)

In addition, Prof. Ait-Saadi reminds the current structure of TCIIN:

- **Chair** ➔ Prof. Nadjib Ait-Saadi - University Paris-Saclay / UVSQ Campus, France.
- **Vice-Chair** ➔ Prof. Selma Boumerdassi, Conservatoire National des Arts et Metiers (CNAM), France.
- **Secretary** ➔ Prof. Halima Elbiaze – University of Quebec at Montreal, Canada.

- **Standard Liaison** ➔ Prof. Periklis Chatzimisios Alexander - Technological Educational Institute of Thessaloniki, Greece.
- **Student Competition Program** ➔ Dr. Aggeliki Sgora, Ionian University, Greece.

Prof. Nadjib Ait-Saadi remind that TCIIN meetings hold meetings twice per year at ICC and GLOBECOM. To become a member by joining the mailing list: <http://iin.committees.comsoc.org/mailling-list/>

Prof. Nadjib Ait-Saadi explains the IEEE ComSoc policies to be active member in each TC:

- Attend 2 of the past 5 meetings and
- Have contributed substantially to the TC activities

## 5. Conference updates

Sponsorship of GC and ICC symposia

- **Next Generation Networking and Internet Symposium (NGNI)**
- **IoT AND SENSOR NETWORKS Symposium**
- **SAC CLOUD COMPUTING, NETWORKING AND STORAGE**

New objective – IEE Globecom 2024

- **SAC: QUANTUM COMMUNICATIONS & INFORMATION TECHNOLOGY**
- **Symposium: COMMUNICATION & INFORMATION SYSTEM SECURITY**

In GLOBECOM 2022 (Rio De Janeiro, Brazil)

- TCIIN nominated the following members to be co-chairs:
  - **Prof. Edmundo Madeira**--SAC Symposium: Cloud Computing, Networking and Storage
  - **Prof. Nidal Naser**-- Symposium on IoT & Sensor Networks
  - **Prof. Selma Boumerdassi**-- Symposium on Next-Generation Networking and Internet

In ICC 2023 (Roma, Italy)

- TCIIN nominated the following members to be co-chairs:
  - **Prof. Nadjib Aitsaadi** --SAC Symposium: Cloud Computing, Networking and Storage
  - **Prof. R Venkatesha Prasad** -- Symposium on IoT & Sensor Networks
  - **Prof. Periklis Chatzimisios** -- Symposium on Next-Generation Networking and Internet

In GLOBECOM 2023 (Kuala Lumpur, Malaysia)

- TCIIN nominated the following members to be co-chairs:
  - **Prof. Aggeliki sgora** -- Symposium on Next-Generation Networking and

Internet

- **Prof. Ilhem Fajjari** --SAC Symposium: Cloud Computing, Networking and Storage
- **Prof. Selma Boumerdassi** -- Symposium on IoT & Sensor Networks

In ICC 2024 (Denver, Colorado, USA)

- TCIIN **proposal** (*under approval*):
  - Symposium on Next-Generation Networking and Internet
    - **Prof. Halima Elbiaze**, *UQAM University, Canada*
  - Symposium on IoT & Sensor Networks
    - **Dr. Moez Esseghir**, *University of Troyes (UTT), France*
  - SAC: Cloud Computing, Networking and Storage
    - **Dr. Hichem Sedjelmaci**, *Ericsson R&D, France*

TCIIN Flagship conference: Global Information Infrastructure Symposium (GIIS)

- Date: 1 – 3 November 2023
- Location: Dubai – UAE -- Canadian University of Dubai (CUD)  
→ <https://www.cud.ac.ae>
- General co-chairs
  - Prof. Adel Ben Mnaouer (CUD / Dubai - UAE)
  - Prof Yacine GHAMRI-DOUDANE (La Rochelle / France)
  - Prof. Nadjib Aitsaadi (UVSQ Paris-Sacaly / France )
- TPC co-chairs
  - Prof. Halima Elbiaze (UQAM/ Canada)
  - Dr. Bassem Ouni, (Technology Innovation Institute / Abu Dhabi - UAE)
  - Prof. Burkhard Stiller (University of Zurich and ETH Zurich, Switzerland)
- CFP: will be posted soon

(a) **5G Summits**

- **IEEE 5G Thessaloniki Summit 2020**
  - Date: December 16, 2020 (virtual)
  - <http://www.5gsummit.org/greece2020>
- **IEEE 5G and IoT Thessaloniki Summit 2018**
  - Date: October 25, 2018 (Thessaloniki, Greece)
  - <http://www.5gsummit.org/Thessaloniki>

- **IEEE 5G Thessaloniki Summit 2017**
  - Date: July 11, 2017 (Thessaloniki, Greece)
  - <http://www.5gsummit.org/greece>
- **IEEE Standards Summit**
  - Date: Wednesday, November 30, 2022
  - Format: One day event collocated with the IEEE Conference on Standards for Communications and Networking <https://cscn2022.ieee-cscn.org/program/>
- **IEEE Standards Summit**
  - Date: Wednesday, December 15, 2021
  - Format: One day event collocated with the IEEE Conference on Standards for Communications and Networking <https://cscn2021.ieee-cscn.org>
- **IEEE 5G and IoT Summit**
  - Date: Tuesday, February 15, 2022
  - Format: One day event devoted to 5G and IoT jointly organized by 5 IEEE Communication Chapters

**(b) TCIIN Endorsement of Conferences and Workshops**

**WMNC'22**

- Wireless and Mobile Networking Conference
- <https://wmnc.dnac.org/2022/>

**(c) ICAIIC'23**

- International Conference on Artificial Intelligence in Information and Communication
- [http://icaiiic.org/?page\\_id=24](http://icaiiic.org/?page_id=24)

**CloT – March 2023 – Lisbon, Portugal**

- Cloud and Internet of Things
- <https://ciot.dnac.org>

**IFIP Networking – June 2023 – Barcelona, Spain**

- <https://networking.ifip.org/2023/>

**ICUNF – July 2023 – Paris/France**

- International Conference on Ubiquitous and Future Networks
- <https://icunf.org>

**i-YES (Young Engineers and Scientists) Education & Training Program**

- An initiative of the IEEE ComSoc Education and Services Board (ESB). The program of i-YES includes Keynote Speeches and Inspiring Talks from well-known academics and researchers, Panels, Hands-on sessions as well as time for Q&A.
- **@ICC'22**
  - <https://icc2022.ieee-icc.org/young-engineers-scientists-i-yes-education-track>
- **ORGANIZERS:**

- **Periklis Chatzimisios**, International Hellenic University, Greece & University of New Mexico, USA  
Stefano Giordano, University of Pisa, Italy

## 6. Report on standards

- IEEE Conference on Standards for Communications and Networking (CSCN), November 28-30, 2022 - Thessaloniki, Greece <https://cscn2022.ieee-cscn.org/committee/>
- IEEE Conference on Standards for Communications and Networking (CSCN), December 15-17, 2021 (virtual) Thessaloniki, Greece <http://cscn2021.ieee-cscn.org/>
- Free training on “Standards Working Group Chair Fundamentals” by IEEE Standards Association <https://standards.ieee.org/about/training/index.html>
  - a. IEEE Communications Standards Magazine <http://www.comsoc.org/comstandardsmag>
    - i. If you want to propose a Feature Topic, please contact Periklis Chatzimisios ([pchatzimisios@ieee.org](mailto:pchatzimisios@ieee.org))

## 8. TCIIN Newsletter

- Creation of TCIIN Newsletter
- Editor: Prof. Halima Elbiaze, University of Québec , Montreal, Canada
- Objective: collection of TC's activities
  - Chairing
  - Conferences / Workshop
  - SIG
  - Best papers, ...

## 9. Awards

- TCIIN Outstanding Service Award
- TCIIN Technical Achievement Award

IEEE ComSoc TCIIN is running the application process for the **Technical Achievement Award**. We look forward to your nominations to the TCIIN Technical Achievement Award.

A nomination application (as a single PDF file) should be transmitted to [<yacine.ghamri@univ-lr.fr>](mailto:yacine.ghamri@univ-lr.fr) and should contain the following details:

- *Professional Employment Affiliations*: List the nominee's current professional affiliations and titles.
- *Citation*: Give a brief citation precisely stating the most salient reason(s) why the nominee is qualified for the award.
- *Technical Contributions*: Describe the nominee's technical achievements as well as the significance and impact. (Max 2-page length)

**Important Dates:**

Application deadline: June 30, 2023

Results notification: July 31, 2023

**TCIIN Award sub-committee:**

- Prof. Yacine GHAMRI-DOUDANE (La Rochelle Université, France) – Chair of Award sub-committee
- Prof. Raouf Boutaba (University of Waterloo, Canada)
- Dr. Cedric Westphal (Futurewei, USA).

- Reminder

**2018**

- **TCIIN Outstanding Service Award** is assigned to **Prof. Sidi Mohammed SENOUCI**
- **TCIIN Technical Achievement Award** is assigned to **Prof. Guy PUJOLLE**
- **TCIIN Technical Achievement Award** is assigned to **Dr. Cedric WESTPHAL**

- Based on IEEE ComSoc P&P – Award Subcommittee is mandatory
  - <https://tc.boards.comsoc.org/wp-content/uploads/sites/197/2022/06/TC-Pages-from-ComSoc-PandPs-Oct2020.pdf>
- Next Steps
  - Build the Awards subcommittee -> January 2023
  - Spread the call of TCIIN's awards → March 2023
  - Application → April 2023
  - Result --> TCIIN Meeting @ICC 2023

**9. Special Interest Groups (SIGs)**

- SIG generally opened on a very recent subject related to TCIIN about which members are willing to report.
- Suggestions on new Special Interest Groups (SIGs) are welcome
- Report of the Cloud for Telco SIG
  - a. SIG on Cloud for Telco (Chair Dr. Ilhem FAJJARI (Orange Labs, France))
  - Industrial Orange Workshop → 2021
  - ComSoc TCIIN “Cloud for Telco” Conference/Workshop → 2023 (second semester). Location: Paris / France – Orange Labs building (orange Garden)
- Report of the Quantum Internet SIG
  - a. Leader: Apostolos Xenakis (University of Thessaly, Greece)
    - axenakis@uth.gr
    - Quantum Computing Group at [ds.uth.gr](https://ds.uth.gr)
    - Member of: <http://qgreece.uth.gr/>
    - @Globecom'24 → SAC: QUANTUM COMMUNICATIONS & INFORMATION TECHNOLOGY
- Report of the Quantum Internet SIG
  - a. SIG on Solutions for the Digital Divide
  - Potential Leader: Aggeliki Sgora (Ionian University, Greece) [asgora@ionio.gr](mailto:asgora@ionio.gr)
- TCs restructure – ongoing process - TC Board

Ongoing process: <https://tc.boards.comsoc.org/meeting-documents/>