

Technical Committee on Information Infrastructure (TCIIN)

Minutes from the meeting at IEEE ICC 2022 Remotely (visio)

Monday, June 27, 2022, 10-AM ET [4-PM CET].

The following meeting agenda was proposed and accepted.

1. Welcome and Introduction
2. Approval of the agenda
3. Keynotes
4. Review / Approval of minutes of GC 2021 TCIIN meeting
5. Election of TCIIN Secretary
6. Conference updates
7. Report on standards
8. Newsletter
9. Awards
10. Special Interest Groups (SIGs)
11. Web site & mailing list
12. Next TCIIN Meeting
13. Other Business

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)
- Selma Boumerdassi (TCIIN vice-Chair) (selma.boumerdassi@cnam.fr)
- Halima Elbiaze (TCIIN Secretary and preparing the meeting minutes) (elbiaze.halima@uqam.ca)
- Scott Fowler, Linköping University, scott_fowler@ymail.com

- A. Boukerche aboukerche@gmail.com
- Periklis Chatzimisios, International Hellenic University, pchatzimisios@ihu.gr
- Cyn Sikora, c.a.sikora@comsoc.org
- Apostolos Xenakis, University of Thessaly, axenakis@uth.gr
- Wessam Ajib, University of Quebec at Montreal ajib.wessam@uqam.ca
- Pascal Lorenz, University of Haute Alsace, lorenz@ieee.org
- Ahmed Refaey Hussein, University of Guelph, Canada ahmed.refaey@ieee.org
- Jaime Galán-Jiménez, University of Extremadura (Spain), jaime@unex.es
- Ilhem Fajjari, Orange Innovation, ilhem.fajjari@orange.com
- Soumaya Cherkaoui, Soumaya.cherkaoui@usherbrooke.ca
- Sidi Mohammed Senouci, Sidi-Mohammed.senouci@u-bourgogne.fr
- Sherali Zeadally, University of Kentucky, szeadally@uky.edu
- Yeong Min Jang, Kookmin University, yjang@kookmin.ac.kr
- Sharief Oteafy - DePaul University - soteafy@depaul.edu
- Aggeliki Sgora, asgora@ionio.gr
- Hossam Afifi, hossam.afifi@telecom-sudparis.eu
- Shiwen Mao, auburn university, smao@ieee.org
- Yacine Ghamri-Doudane, La Rochelle University - yacine.ghamri@univ-lr.fr
- Adel Mounir Said, NTI, adel.mounir@nti.sci.eg
- Rui Aguiar, Instituto de Telecomunicações, ruilaa@ua.pt
- Kapal Dev, Munster Technological University, Ireland. Kapal.dev@ieee.org
- Thi-Mai-Trang Nguyen, Sorbonne University, Thi-Mai-Trang.Nguyen@lip6.fr
- R Venkatesha Prasad, r.venkateshaprasad@tudelft.nl

2. Approval of the agenda

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

3. Keynotes

Two keynote speeches were given by Dr. Mohamed Faten Zhani, CEO FlexNGIA, Canada/Tunisia and Prof. Adlen Ksentini, EURECOM, France:

2. Title: “*FlexNGIA- Drawing the architecture of the Next-Generation Tactile Internet*”, Dr.

Mohamed Faten Zhani, CEO FlexNGIA, Canada/Tunisia.

3. Title: “*Reducing management and orchestration complexity using AI and ML algorithm for next generation mobile networks*”, Prof. Adlen Ksentini, EURECOM, France.

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

The minutes of the last meeting (during IEEE GLOBECOM 2021 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 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. Election of TCIIN Secretary

Prof. Ait-Saadi recalls the guidelines and the election process: Applications/Elections by emails / TC Board validation.

The secretary election committee is composed of Prof. Rami Langar, Prof. Pascal Lorenz, Prof. Sidi Mohammed Senouci and Prof Yacine-Ghamri Doudane.

6. Conference updates

(a) Major events

The major events in which TCIIN is actively involved are i) ICC, ii) GLOBECOM and iii) GIIS.

Sponsorship of GC and ICC symposia

- Next Generation Networking and Internet Symposium (NGNI)

- IoT and Sensor Networks symposium
- Selected Areas in Communication Cloud Computing, Networking and Storage

In ICC 2021 (Montreal, Canada)

- TCIIN nominated the following members to be co-chairs:
 - **Prof. Periklis Chatzimisios** -- Symposium on Next-Generation Networking and Internet
 - **Dr. Ilhem Fajjari** -- Selected Area in Communications Symposium: Cloud Computing, Networking and Storage Track
 - **Prof. Yacine Ghamri Doudane** -- Selected Area in Communications Symposium: Internet of Things Track

In GLOBECOM 2021 (Madrid, Spain)

- TCIIN nominated the following members to be co-chairs:
 - **Prof. Ilhem Fajjari** -- Symposium on Next-Generation Networking and Internet
 - **Prof. Georgios Papadopoulos**-- Selected Area in Communications Symposium

In ICC 2022 (Seoul, South Korea)

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

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

Upcoming ICC/GC venues :

- ICC 2022 → Seoul, South Korea
- GLOBECOM 2022 → Rio de Janeiro, Brazil
- ICC 2023 → Rome, Italy
- GLOBECOM 2023 → Kuala Lumpur, Malaysia
- ICC 2024 → Denver, Colorado, USA

(b) TCIIN Flagship event - Global Information Infrastructure and Networking Symposium (GIIS)

Information about GIIS 2022 is found below:

- Prof. Periklis Chatzimisios presented, GIIS 2022 that will be held in Argostoli, Kefalonia Island, Greece during September 26-28, 2022.

(c) TCIIN is deeply involved in 5G Summits:

- IEEE 5G Thessaloniki Summit 2020 → December 16, 2020 (virtual)
- IEEE 5G and IoT Thessaloniki Summit 2018 → October 25, 2018 (Thessaloniki, Greece)
- IEEE 5G Thessaloniki Summit 2017 → July 25, 2017 (Thessaloniki, Greece)
- IEEE standards Summit → December 15, 2021 (one day event collocated with IEEE Conference on Standards for Communications and Networking)
- IEEE 5G and IoT Summit → February 15, 2022 (one day event devoted to 5G and IoT jointly organized by IEEE Communication Chapters)

(d) TCIIN supports i-YES (Young Engineers and Scientists Education & Training Program) which is an initiative of the IEEE ComSoc Education and Services Board (ESB) organized by Prof. Periklis Chatzimisios and Prof. Stefano Giordano at ICC 2022

(e) Prof Ait-Saadi announced the IEEE ComSoc Student Competition deadline: August 20, 2022

7. Report from our TCIIN Standard Liaison

Prof. Ait-Saadi presented the main coming events concerning this activity:

- IEEE Conference on Standards for Communications and Networking (CSCN), 15-17 October 2021 – Virtual (<http://cscn2021.ieee-cscn.org/>)
- Free training on “Standards Working Group Chair Fundamentals” by IEEE Standards Association (<http://standards.ieee.org/about/traning/index.html>)
- IEEE Communications Standards Magazine

(<http://www.comsoc.org/comstandardsmag>)

- If you want to propose a Feature Topic, please contact Periklis Chatzimisios (pchatzimisios@ieee.org)

8. Newsletter

Based on ComSoc suggestion, TCIIN newsletter is created with the objective of summarizing TCIIN activities and information about chairing, conferences /workshops, SIG, best papers, etc.

9. Awards

Prof. Ait-Saadi presented the main TCIIN's awards given annually at GLOBECOM:

- Technical Achievement Award
- Outstanding Service Award

Prof. Langar recalls the given award in **2018**

- Technical Achievement Award
 - Prof. Guy Pujolle (Sorbonne University, FR)
 - Dr. Cedric Westphal (Huawei, USA & Univ. of California Santa Cruz, USA)
- Outstanding Service Award
 - Prof. Sidi Mohammed Sennouci (Univ. Bourgogne, FR)

10. Special Interest Group

- SIG generally opened on a very recent subject related to TCIIN about which members are willing to report.
- TCIIN will create SIGs on the following areas:
 - **Emerging Topics in Communications and Networking:** Tarek BEJAOU (Univ. Carthage, Tunisia)
 - **Cloud for Telco:** Ilhem Fajjari (Orange Labs, France)
 - **Quantum Internet:** Apostolos Xenakis (university of Thessaly, Greece)
 - **Solutions for the Digital Divide:** Aggiliki Sgora

11. Website & Mailing List

- TC website: <https://iin.committees.comsoc.org/>
- New TCIIN mailing list tciiin@comsoc.org is created. This mailing-list is hosted in IEEE ComSoc servers.

tciiin@comsoc.org statistics:

- Current membership record: 774 members
- Increase of the membership after each GIIS conference: 40+ new members

12. Next TCIIN Meeting

- The next TCIIN meeting will be held during IEEE GLOBEOCM 2022, Rio de Janeiro, Brazil, 4-8 Dec. 2022.

13. Other Business

Prof. Halima Elbiaze, TPC co-Chair, shared information about IEEE FNWF 2022 that will be held on October 12-14 in Montreal.

Meeting adjourn

The meeting was adjourned at 11:43-AM ET.