

Technical Committee on Information Infrastructure and Networking (TCIIN)

Hybrid meeting

(@ICC 2024) Denver, CO, USA

Sunday, June 09, 2024, (11:00 am - 12:30pm MST)

The following meeting agenda was proposed and accepted.

- Welcome and Introduction
- Approval of the agenda
- TCIIN General Information and Objectives
- Review / Approval of minutes of GC 2023 TCIIN Meeting
- TCIIN Activities
 - Special Interest Groups (SIGs)
 - Standardization Efforts
 - New Initiatives
 - Future Webinars
- Keynote Speeches
- Other Business
- Next TCIIN Meeting

• Welcome and Introduction (11:10 am)

Prof. Selma Boumerdassi (Chair) welcomed attendees and opened the TCIIN meeting. She acknowledged the presence of members both onsite and online, and thanked the participants for their support. This was her first meeting as the TCIIN Chair, called the meeting to order at 11:10 am.

The list of the attendees is given below:

First Name	Last Name	Affiliation
Yassine	Hadjadj-Aoul	University of Rennes
Farid	Nait-Abdesselam	Paris Cité University
Rami	Langar	ÉTS-Montréal
Kapal	Dev	Munster Technological University, Ireland
Eric	Renault	ESIEE Paris -- Univ. Gustave Eiffel
Aggeliki	Sgora	Ionian University
Jalel	Ben othman	Centralesupelec
Nour El-Houda	Yellas	Orange

Renwei (Richard)	Li	Southeast University (Previously Futurewei Technologies)
Nizar	Zorba	Qatar University
Ilhem	Fajjari	Orange, France
Youssef	Iraqi	Mohammed VI polytechic university (UM6P)
Wessam	Ajib	UQAM
Nadjib	Aitsaadi	UVSQ Paris-Sacmay
Sami	Souihi	UPEC
Xianbin	Wang	Western University
Ayman	Radwan	Instituto de Telecomunicacoes
Sharief	Oteafy	DePaul University
Hossam	Hassanein	Queen's University
Abdallah	Shami	Western University
Yacine	Ghamari-DouDane	Université de La Rochelle
Sidi-Mohamed	Senouci	Université Bourgogne
Hatem	Abou-Zeid	Univeristy of Calgary
Selma	Bumerdassi	CNAM
Burak	Kantarci	University of Ottawa
Hassine	Moungla	Université Paris Cité
Abdelhamid	Taha	Alfaisal University
Halima	Elbiaze	UQAM
Ahmed Refaey	Hussein	University of Guelph

- **Approval of the Agenda (11:13 am)**

The agenda for the meeting was presented by Prof. Selma Boumerdassi and was approved by all participants. (Moved: Ahmed, Seconded: Nadjib)

- **TCIIN General Information and Objectives (11:15 am)**

Prof. Boumerdassi provided an overview of TCIIN's objectives, emphasizing the committee's role in improving and developing global networking infrastructures. She

referenced the TCIIN Charter, highlighting the mission to facilitate global data distribution and accessibility. Prof. Boumerdassi presents the TCIIN Charter and reminds the objectives of IIN. She also presents the focus of TCIIN:

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

In addition, Prof. Boumerdassi reminds the new structure of TCIIN, and thanked the Junior Past Chair, Prof. Nadjib Ait Saaid for his leadership in the past 2 years:

- **Chair** → Prof. Selma Boumerdassi, Conservatoire National des Arts et Metiers (CNAM), France.
- **Vice-Chair** → Prof. Halima Elbiaze – University of Quebec at Montreal, Canada.
- **Secretary** → Prof. Ahmed Refaey Hussein, University of Guelph, Canada
- **Standard Liaison** → Prof. Periklis Chatzimisios Alexander - Technological Educational Institute of Thessaloniki, Greece.
- **Student Competition Program** → Dr. Aggeliki Sgora, Ionian University, Greece.

Prof. Boumerdassi reminded 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. Boumerdassi explains the IEEE ComSoc policies to be an **active** member in each TC:

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

- **Review / Approval of Minutes of GC 2023 TCIIN Meeting (11:27 am)**

The minutes of the last TCIIN meeting during Globecom 2023 were presented by Prof. Selma Boumerdassi and were approved by all participants.

- **TCIIN Activities (11:30 am)**

- Updates on the conference endorsements, followed by Globecom and ICC symposium co-chairs nominations. Prof. Nadjib Ait Saadi, junior past TCIIN chair, commented on the 2024 missing representation on the symposia and commented that the 2023 SAC was a record.

- **2023 Endorsements (6 Endorsements) :**

1. CLOT - [Cloud and Internet of Things](<https://ciot.dnac.org>)
2. IFIP Networking - [IFIP Networking 2023](<https://networking.ifip.org/2023/>)
3. ICUFN- [International Conference on Ubiquitous and Future Networks](<https://icufn.org>)

4. PEMWN- [International Conference on Performance Evaluation and Modeling in Wired and Wireless Networks](<https://sites.google.com/view/pemwn2023?authuser=1>)
 5. BRAINS- [Broadband Radio Access Network Systems and Technologies] (<https://www.eventscribe.net/2023/BRAINS/>)
 6. WINCOM - [International Conference on Wireless Networks and Mobile Communications] (<https://wincom-conf.org/>)
- **January - May 2024 Endorsements (7 Endorsements):**
 1. ICAIIC- [International Conference on Artificial Intelligence in Information and Communication](http://icaaic.org/?page_id=24)
 2. GIIS- [Global Information Infrastructure Symposium 2023](<https://www.giis2023.org>)
 3. ICUFN- [International Conference on Ubiquitous and Future Networks](<https://icufn.org>)
 4. Unet- [Underwater Networks & Systems Conference](<https://unet-conf.org/>)
 5. NOF - [International Conference on the Network of the Future](<https://nof2023.org/>)
 6. CIoT- [Cloud and Internet of Things](<https://ciot.dnac.org>)
 7. PEMWN - [International Conference on Performance Evaluation and Modeling in Wired and Wireless Networks](<https://sites.google.com/view/pemwn2023?authuser=1>)

The Chair emphasized the importance of active participation in TCiIN activities, particularly in the organization of major conferences such as ICC and Globecom. Members interested in contributing to the future organization of these conferences are encouraged to contact the TC officers. It was noted that nominations have already been made up to ICC 2026, and proposals for Symposium and SAC roles are currently under development for Globecom 2026. Members are urged to express their interest in participating as Symposium Co-Chairs for these upcoming conferences. Nomination for Symposium Co-Chairs of ICC and GC as follows:

1. GC 2022

- NGNI Symposium: Selma Boumerdassi (166 submissions)
- IoT & Sensor Networks Symposium: Nidal Naser
- Cloud Computing, Networking & Storage Symposium: Edmundo Madeira

2. ICC 2023

- NGNI Symposium: Periklis Chatzimisios (188 submissions)
- IoT & Sensor Networks Symposium: R Venkatesha Prasad (262 submissions)
- Cloud Computing, Networking & Storage Symposium: Nadjib Aitsaadi (70 submissions)

3. GC 2023

- NGNI Symposium: Selma Boumerdassi (237 submissions)
- IoT & Sensor Networks Symposium: Ilhem Fajjari
- Cloud Computing, Networking & Storage Symposium: Ilhem Fajjari (111 submissions)

4. ICC 2024

- NGNI Symposium: Halima Elbiaze (156 submissions)
- Communication & Information System Security Symposium: Nadjib Aitsaadi (217 submissions)
- Quantum Communications & Information Technology Symposium: Apostolos Xenakis
- NGNI Symposium: Ilhem Fajjari

5. ICC 2025

- IoT & Sensor Networks Symposium: Moez Esseghir
- Cloud Computing, Networking & Storage Symposium: Halima Elbiaze
- NGNI Symposium: R Venkatesha Prasad
- IoT & Sensor Networks Symposium: Rahim Kacimi

6. GC 2025

- Cloud Computing, Networking & Storage Symposium: Rami Langar
- Communication & Information System Security Symposium: Nadjib Aitsaadi
- NGNI Symposium: Halima Elbiaze (Pending)

7. ICC 2026

- IoT & Sensor Networks Symposium: Selma Boumerdassi (Pending)
- Cloud Computing, Networking & Storage Symposium: Xiaojiang Du (Pending)

- Updates were provided on ongoing SIG activities, including the formation of new groups, in addition to the non-responsive SiG chairs. Update from SiG on Solutions for the Digital Divide (UNITE) Chair, Prof. Aggeliki Sgora. Discussion was conducted that if there is no report from a specific SiG for 3 meetings, the SiG will be deemed inactive.
- Developments in standardization efforts were discussed, with contributions from members actively participating in IEEE and other standardization bodies.

- New initiatives were introduced, including the proposal for new SIGs, and the launch of a TCIIN newsletter. Prof. Yacine Ghamri, senior TCIIN past chair, commented on the possible newsletter format, and then decide on the content and the editorial board structure. Prof. Nadjib Ait Saadi, junior TCIIN past chair, commented that there is a newsletter available for all TCs.
- Plans for future webinars. Members were encouraged to volunteer for these initiatives
- **Other Business (11:53 pm)**
 1. **GIIS Steering Committee Report:**
Prof. Nadjib Ait Saadi provided updates on the GIIS Steering Committee's recent activities
 2. **Standards Report:**
Prof. Periklis Chatzimisios, International Hellenic University, Greece, an overview of current and upcoming standardization activities.
 3. **Student Competition Program:**
Dr. Aggeliki Sgora shared the outcomes of the 2023 IEEE Student Competition, highlighting the winning projects and the success of the event.
 4. **Website & mailing list**
 - TC website: <http://iin.committees.comsoc.org/>
 - New mailing list: tciin@comsoc.org
 - To post a message, you must **be a member AND confirm** your post.
 - Current membership record: 836 members
- **Keynote Speeches (12:05 pm)**
 1. **Dr. Yassine Hadjadj Aoul (University of Rennes, France):**
“Advanced Network Management through Graph Neural Networks: Applications and Insights”
 2. **Dr. Nour-El-Houda Yellas (Orange Labs, France):**
“Artificial Intelligence for Closed-Loop Automation in Future Networks”
- **Next TCIIN Meeting (12:44 pm)**
 - The next TCIIN meeting will be held during Globecom 2024 in Cape Town, South Africa. Further details will be communicated closer to the event.
- **Adjournment (12:43 pm)**
 - The meeting was adjourned at 12:43 PM. The minutes will be posted on the TCIIN website for further reference and record-keeping.