Technical Committee on Information Infrastructure and Networking (TCIIN)
F2F meeting
(@GC 2023 – Kuala Lumpur - Malaysia)
Monday, December 04, 2023, (08:30am – 10:00am)

The following meeting agenda was proposed and accepted.

1. Welcome and Introduction
2. Approval of the agenda
3. Review / Approval of minutes of ICC 2023 TCIIN meeting
4. Conference updates
5. GIIS steering committee
6. Awards
7. Special Interest Groups (SIGs)
8. Report on standards
9. Website & mailing list
10. Any other business
11. 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:

Name	Surname
Ait Abdesselam	Farid
Ait Saadi	Nadjib
Ben Othman	Jalel
Bernard	Hans-Peter
Boualouache	Abdelwahab
Boukerche	Azzedine
Chia-Han	Lee
Elbiaze	Halima
Ghamri-Doudane	Yacine
Gueroui	Mourad
Hassanein	Hossam
Kallel	Sondes
Li	Richard
Nasser	Nidal
Oteafy	Sharief
Prasad	RR Venkatesha
Refaey Hussein	Ahmed
Senouci	Sidi Mohammed
Shami	Abdallah
Yu	Shui

2. Approval of the agenda

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

3. Review / Approval of minutes of ICC 2023 TCIIN Meeting

The minutes of the last meeting (April 19, 2023-virtual meeting) 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/mailing-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.

4. 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
- TCIIN Flagship conference: Global Information Infrastructure Symposium
  - **GIIS 2024**
    - Date: 19 – 21 February 2024
    - 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 / UAE)
    - Prof. Burkhard Stiller (University of Zurich, Switzerland)
    - http://www.giis2023.org
  - Number of submissions: 30 articles
  - Keynote #1: Prof. Khaled B. Letaief
    - Connected Intelligence: Paving the Way Towards 6G.
    - Keynote #2: Prof. Mérouane Debbah
    - Large Language Modes for wireless: the next big thing?
  - Keynote #3: Prof. Mohamed-Slim Alouini
    - Towards Extreme Band Communications.

- TCIIN Endorsement of Conferences and Workshops
  - ICAIIC'23 – Februray 2023 – Indonesia
    - International Conference on Artificial Intelligence in Information and Communication
    - http://icaiic.org/?page_id=24
  - CIoT – 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://icufn.org
  - PEMWN – September 2023 – Germany
    - International Conference on Performance Evaluation and Modeling in Wired and Wireless Networks
    - https://sites.google.com/view/pemwn2023?authuser=1
  - BRAINS – October 2023 – France
    - Blockchain Research & Applications for Innovative Networks and Services
    - https://brains.dnac.org/committee/
  - WINCOM – October 2023 – Istanbul/Turkey
    - International Conference on Wireless Networks and Mobile Communications
    - https://www.wincom-conf.org/WINCOM_2023/?page=committees
  - ICAIIC'24 – Februray 2024 – Japan
    - International Conference on Artificial Intelligence in Information and Communication

- - https://icaiic.org
  - IFIP Networking – June 2024 – Thessaloniki / Greece
    - https://networking.ifip.org/2024/
  - ICUNF – July 2024 – Budapest / Hungary
    - International Conference on Ubiquitous and Future Networks
    - http://www.icufn.org

- 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 (Submitted Articles: 70)
  - **Prof. R Venkatesha Prasad --** Symposium on IoT & Sensor Networks (Submitted Articles: 262)
  - **Prof. Periklis Chatzimisios** -- Symposium on Next-Generation Networking and Internet (Submitted Articles: 188)
- 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 (Submitted Articles: 150)
  - **Dr. Ilhem Fajjari** --SAC Symposium: Cloud Computing, Networking and Storage (Submitted Articles: 111)
  - **Prof. Selma Boumerdassi --** Symposium on IoT & Sensor Networks (Submitted Articles: 237)
- In ICC 2024 (Denver, Colorado, USA)

  TCIIN members to be co-chairs:
  - *Prof.* **Halima Elbiaze,** *UQAM University, Canada,* Symposium on Next-Generation Networking and Internet
- In Globecom 2024 (Cap Town, South Africa)

  TCIIN proposed members to be co-chairs:
  - **Prof. Ilhem Fajjari (**Orange Innovation, France) -- Symposium on Next-Generation Networking and Internet, (not approved)
    - This proposal was not approved and the TCIIN chair sent a complaint letter to the IEEE ComSoc President expressing the disappointment of TCIIN members. Prof. Nadjib Ait-Saadi highlighted the fact that TCIIN is the primary sponsor of

NGNI symposium and asked for clarification to this inexplicable decision.

- o **Prof. Mohamed-Faten zhani (**ETS Montreal, Canada) **--** Symposium on IoT & Sensor Networks (not approved)
- o **Prof. Nadjib Aitsaadi (**UVSQ Paris-Saclay, France**)** -- Symposium on Communication & Information System Security (approved)
- o **Prog ApostolosXenakis (**University of Thessaly, Greece**) --**SAC: Quantum Communications & Information Technology (approved)

- In ICC 2025 (Montreal, Canada)

  TCIIN proposed members to be co-chairs:

  - o **Prof. Ilhem Fajjari (**Orange Innovation, France) -- Symposium on Next-Generation Networking and Internet (approved)
  - o **Dr. Moez Esseghir** (UTT, France) -- Symposium on IoT & Sensor Networks (approved)
  - o **Prof. Halima Elbiaze** (UQAM University, Canada) -- SAC: Cloud Computing, Networking and Storage -- Symposium on Communication & Information System Security (not approved)

- In Globecom 2025 (Taipe, Taiwan)

  TCIIN proposed members to be co-chairs:

  - o **Dr. Ranga Rao Venkatesha Prasad, TUDelft, Netherlands** -- Symposium on Next-Generation Networking and Internet
  - o **Dr. Rahim Kacimi, Toulouse University, France** -- Symposium on IoT & Sensor Networks
  - o **Prof. Rami Langar, ETS Montreal, Canada** -- SAC: Cloud Computing, Networking and Storage
  - o **Prof. Nadjib Aitsaadi (**UVSQ Paris-Saclay, France**)** -- Symposium on Communication & Information System Security

5. **GIIS steering committee**

   TCIIN proposed to set a steering committee for upcoming GIIS editions as follows:

   - o **1** → Americas (North America, South America, Central America, Caribbean)
   - o **1** → Asia Pacific (Central & South Asia, Northeastern Asia, Southeastern Asia, Australia and Oceania)
   - o **2** → Europe (Northern / Southern / Eastern / Western Europe)
   - o **1** → Middle East/Africa (Middle East, Northern Africa, Southern Africa)
   - o Current TCIIN chair is ex-officio member during his term of office
   - o Next GIIS editions' steering committee members will be decided by the current one (member of GIIS 2024)
   - o The organization will be directly managed by the steering committee
   - o Prof. Nadjib Aitsaadi is the chair of the steering committee
   - o The composition of GIIS steering will be share by Prof. Nadjib Aitsaadi with the members soon.

6. **Awards**

- **TCIIN Technical Achievement Award**

Important Dates:
Application deadline: June 30, 2023
Results notification: July 31, 2023

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

IEEE ComSoc TCIIN run the process for the **Technical Achievement Award**. We received 4 strong applications:
  o Two applications from Canada
  o One application from Europe
  o One application from USA

Based on a deep review and internal discussions within Award subcommittee, one candidate was selected. The proposal is transmitted to IEEE ComSoc Technical Committees Board for approval.
The awards committee proposed to grant the 2023 TCIIN Technical Achievement Award to **Prof. Abdallah Shami** with the following citation:

Abdallah Shami

Professor

Ph.D. City University of New York (2003)
M.S. City University of New York (2001)
BESc. Lebanese University (1997)

Dr. Shami is a Professor of Electrical and Computer Engineering. He runs the OC2 Lab, the Optimized Computing and Communications Research Laboratory. https://www.eng.uwo.ca/oc2/

"For his exceptional achievements in information infrastructure and networking, notably through innovative orchestration of virtualized resources, visionary AI application in network service placement, and his outstanding leadership in championing open-source practices in the field."

7. 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
  - o SIG on Cloud for Telco (Chair Dr. Ilhem FAJJARI (Orange Labs, France)
  - o Industrial Orange Workshop → 2021
  - o ComSoc TCIIN "Cloud for Telco" Conference/Workshop → 2023/2024 (second semester). Location: Paris / France – Orange Labs building (orange Garden)
- Report of the Quantum Internet SIG

- o Leader: Apostolos Xenakis (University of Thessaly, Greece) axenakis@uth.gr
- o Qantum Computing Group at ds.uth.gr
- o Member of: http://qgreece.uth.gr/
- o @Globecom'24 → SAC: Quantum Communications & Information Technology
- SIG on <u>Solutions for the Digital Divide</u>
  - o Potential Leader: Aggeliki Sgora (Ionian University, Greece) asgora@ionio.gr

TCIIN chair should check with SIG chairs if there is any planned activity in 2024 or not. If not activity, the SIG should be closed.

8. Report on standards

- **5G Standards**

  - o **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/

  - o **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

  - o **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

- **Report from TCIIN Standard Liaison**

  - o **IEEE Conference on Standards for Communications and Networking (CSCN),** November 28-30, 2022 - Thessaloniki, Greece https://cscn2022.ieee-cscn.org/committee/
  - o **IEEE Conference on Standards for Communications and Networking (CSCN),** December 15-17, 2021 (virtual) Thessaloniki, Greece http://cscn2021.ieee-cscn.org/
  - o Free training on "Standards Working Group Chair Fundamentals" by IEEE Standards Association https://standards.ieee.org/about/training/index.html
  - o IEEE Communications Standards Magazine http://www.comsoc.org/comstandardsmag
    - ▪ If you want to propose a Feature Topic, please contact Periklis Chatzimisios (pchatzimisios@ieee.org)
- **i-YES (Young Engineers and Scientists) Education & Training Program**
  - o 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.
  - o **@ICC'23**
    - ▪ **https://icc2023.ieee-icc.org/program/young-engineers-scientists-initiative-i-yes-education-track**

- o ORGANIZERS:
    - **Periklis Chatzimisios,** International Hellenic University, Greece & Univ. of New Mexico, USA
      Stefano Giordano, University of Pisa, Italy
- **IEEE ComSoc Student Competition**

The Student Competition 2023 is dedicated to the future leaders in communications and networking, IEEE ComSoc holds this annual student competition with the goal of encouraging communications engineering students to expand their knowledge, test and showcase new skills, and inspire innovation. The winning student (or student team) can earn up to US$2,000. The team leader or individual that wins first prize will be invited to receive the prize at IEEE GLOBECOM 2023.
Project submission deadline: **September 20, 2023**
https://www.comsoc.org/membership/ieee-comsoc-student-competition
Student Competition Program | Dr. Aggeliki Sgora (Ionian University / Greece)

9. Website & mailing list

- TC website: http://iin.committees.comsoc.org/
- New mailing list: tciin@comsoc.org
    - o To post a message, you must **be a member AND confirm** your post.
    - o Current membership record: 810 members

10. Other business

- **Collaboration between IEEE ComSoc – TCIIN and IEEE IES**
    - o IEEE ComSoc TCIIN is discussing several forms of a potential collaboration with IEEE Industrial Electronic Society. The aim is to bring the ICT and industrial committees together towards a better understanding of future industrial network design requirements.
    - This action is led in TCIIN by i) Prof. Halima Elbiaze – University of Quebec at Montreal, Canada and ii) Prof. Nadjib Ait-Saadi - University Paris-Saclay / UVSQ Campus, France.
        - o Organization
            - Panel
            - Workshop
            - etc.
- **Secretary election**

TCIIN proposed the following agenda for next secretary election:
- o February / March
- o Online election
- o Current term will end May 2024 ➔ Smooth handover @ICC'24
- o Need of election committee
- o Need list of TCIIN active members
- o Need to attract motivated candidates.

Potential candidates are invited to discuss with the future Chair, Vice-chair, and all active members.

10. Next TCIIN Meeting
Next Meeting in Denver-USA IEEE ICC 2024