Agenda

- Welcome and Introduction by the TC Chair
- Approval of minutes for meetings at GC21
- SIG Activities
- Virtual Seminar Series
- Updates on e-Letter
- TC endorsed conferences
- Next CommSoft TC meeting
- Miscellanies
Welcome and Introduction by the TC Chair

- 2~3 Minutes

- Kindly state your name, affiliation and email in the chat
  - e.g., First Last, Good University, first.last@gooduniversity.edu
Chair’s Welcome, and Member Introductions

- **Mission**
  - “The mission of this committee is to advance the state of the art in communications software and its various aspects and applications. It serves as the major forum for discussion among communications software professionals in both of the communications and computer industries.”

- **Executives for the current term (2021-2022)**
  - **Chair** Abdellatif Kobbane
  - **Vice-Chair** Abd-Elhamid Taha
  - **Secretary** Hassine Moungla
Approval of minutes for meetings at GC21

- Minutes were posted on the website
Update on Website

- Editor: Hassine Mounlla

- Website
  - Website maintained and with all TC news and updates posted (minutes, agendas, symposium information, ...)
  - Open for suggestion on usability and ease of access
Special Interest Groups (SIGs)

- The VP on Technical Committee confirmed the need that each TC has SIGs
- More precisely, TCB P&Ps states “Special Interest Groups (SIGs) help the TC foster the scientific and technological development in topical emerging technologies within the scope of the TC. SIGs may be created to promote activities in well-established technologies.”
CommSoft TC SIGs

Coordinator – Marwane Ayaida

- Special Interest Group on “ML and AI for Networking”
  - Coordinator: Dr. Melike Erol-Kantarci (Melike.erolkantarci@uottawa.ca)

- Special Interest Group on “NFV and SDN technologies”
  - Coordinator: Prof. Sudip Misra (smisra.editor@gmail.com)

- Special Interest Group on “Security in Software Communication”
  - Coordinator: Dr. Éric Renault (eric.renault@esiee.fr)

- Special Interest Group on “Big Data and Communication software”
  - Coordinator: Dr. Hassine Moungla (hassine.moungla@parisdescartes.fr)

- Special Interest Group on “Blockchains and Applications”
  - Coordinator: Dr. Moayad Aloqaily (maloqaily@xanalytics.ca)

- Special Interest Group on “Communication software for Vehicular AdHoc Networks”
  - Coordinator: Prof. Hacene Fouchal (Hacene.Fouchal@univ-reims.fr)

- Special Interest Group on “Performances Evaluation”
  - Coordinator: Dr. Abdellatif Kobbane (abdellatif.kobbane@um5.ac.ma)
Career news: Dr. Erol-Kantarci is dual appointed as Chief Cloud RAN AI\ML Data Scientist at Ericsson and University of Ottawa starting Jan 2022.

Delivered 2 keynotes and 1 tutorial (since Dec. 2021)
Delivered 2 IEEE ComSoc Distinguished Lectures


Guest editorships and conferences

- Guest Co-Editor for the SI on “AI for Open Programmable Virtualized Networks in 6G” IEEE Wireless Communications Magazine, 2021 – Deadline February 2022
- Symposium Chair in IEEE GLOBECOM, Wireless Communications, 2022
- Track chair in IEEE CCNC, AI/ML in Communications and Networking, 2023
SIG on NFV and SDN technologies

Head: Sudip Misra

Conference organization:

- **Workshop General Chair** on AI/ML for Edge/Fog Networks co-located with the IEEE INFOCOM 2022 (Sudip Misra and Arijit Roy).

Short courses/Invited talks/Tutorials/Other activities:

- **Expert Talk in Webinar**: Topic: Sensors-Cloud for Internet of Things, IEEE(CSI) SBC, SKIT Jaipur, Rajasthan, India (Online), 2022, TC SIG Member: Arijit Roy
International Webinars:


SIG on NFV and SDN technologies

Head: Sudip Misra

SIG organized International Webinars:

▸ 1st, 2nd and 3rd Webinar on Next Generation IoT, organized by IEEE Communication Society Technical Committee on Communications Software: Special Interest Group on "NFV & SDN Technologies, (November-December-January) Host: Sudip Misra, Arijit Roy and Ayan Mondal
SIG on NFV and SDN technologies

Head: Sudip Misra

Journal special issue organization:

› Special Issue on “IoT-based solutions for mitigation of COVID-19 and similar epidemics”, Smart Health, Elsevier. Guest Editors: Arijit Roy, Sudip Misra and others

› Guest Editor, IEEE Journal on Selected Areas in Communications, Edge-Based Wireless Communications Technologies to Counter Communicable Infectious Diseases”, 2021-2022 (Sudip Misra)

Honours/Awards:

› Prof. Sudip Misra has been elevated to the rank of Fellow of IEEE

› Dr. Arijit Roy has been awarded the prestigious IEEE TCSC Outstanding Ph.D. Dissertation Award 2021
SIG on NFV and SDN technologies

Head: Sudip Misra

Other activities:

- Abdulhalim Dandoush has launched a new collaboration between ESME (his department) and L2S at CentraleSupélec, (University of Paris Saclay) about to evaluate and optimize E2E latency within V2X MEC-assisted network through scalable SDN based resource allocation or scheduling algorithms.
SIG on NFV and SDN technologies

*Head: Sudip Misra*

**Relevant publications:**


- N. Ahmed, **A. Roy**, A. Mondal, **S. Misra** "SDN-Based Link Recovery Scheme for Large-Scale Internet of Things", IEEE HPSR 2021, , Paris, France, June 7-9, 2021 (Invited Paper)

- **K. Sarkar**, **S. Misra** and M.S. Obaidat, “xDIoT: Leveraging Reliable Cross-domain Communication Across IoT Networks”, Accepted in CQRM symposium at IEEE ICC 2022
SIG on NFV and SDN technologies

Head: Sudip Misra

Relevant publications:

- Ons Fares, **Abdulhalim Dandoush** and Nadjib AITSAADI. OPR: SDN-based Optimal Path Routing within Transit Autonomous System Networks. Accepted in NGNI Symposium, IEEE ICC 2022
SIG on Blockchains and Applications

Head: Moayad Aloqaily

- Upcoming Calls
  - The Fourth International Conference on Blockchain Computing and Applications (BCCA 2022)
    - SEPTEMBER 5-7, 2022 – SAN ANTONIO, TEXAS, USA
    - Submission deadline: May 5th, 2022 (Possible Extension)
    - [http://intelligenttech.org/BCCA2022/](http://intelligenttech.org/BCCA2022/)
    - WORKSHOP Call → Park Nohpill and Cuneyt Akcora
  - Information Processing and Management Conference
    - Emerging Information Processing and Management Paradigms: Edge Intelligence, Federated Learning, and Blockchain (VSI: IPMC2022 EMERGING)
    - [https://www.elsevier.com/events/conferences/information-processing-and-management-conference](https://www.elsevier.com/events/conferences/information-processing-and-management-conference)
    - IF: 6.222
SIG on Blockchains and Applications

Head: Moayad Aloqaily

- **Upcoming Calls**
  - IEEE INTERNATIONAL CONFERENCE ON BLOCKCHAIN AND CRYPTOCURRENCY (ICBC 2023)
  - 1-4 MAY 2023 | DUBAI, UAE

**General Co-Chairs:**
Burkhard Stiller, University of Zurich, Switzerland
Adel Ben Mnaouer, Canadian University Dubai, UAE

**Technical Program Co-Chairs:**
Moayad Aloqaily, MBZUAI, UAE
Laura Ricci, University of Pisa, Italy
Vinayaka Pandit, IBM India Research Lab, India
SIG on Blockchains and Applications

Head: Moayad Aloqaily

- Other Calls
  - RECENT ADVANCES ON BLOCKCHAIN FOR NETWORK AND SERVICE MANAGEMENT, IEEE TNSM
    - SALIL KANHERE (LEAD), UNSW SYDNEY, AUSTRALIA
  - INTELLIGENT BLOCKCHAIN FOR FUTURE COMMUNICATIONS AND NETWORKING: TECHNOLOGIES, TRENDS AND APPLICATIONS, IEEE JSAC
    - HUAWEI HUANG, SUN YAT-SEN UNIVERSITY, CHINA AND SALIL KANHERE
Delivered 2 invited talks on Data and Communication software in 2021
- Invited talk at Huwawei France
- Invited talk at Institut Polytechnique de Paris. France
- Invited talk at B.I.T. China
- Invited talk at University of Tlemcen, Algeria
- Invited talk at Capital Normal University. China

Appointed as a guest editor Elsevier Future Generation Computer Systems journal
- Special Issue on “Information-Centric Network enabler Communication for Internet of Things and communication software”.

Elsevier journal
SIG on Big Data and Communication software

Head: Hassine Moungla

- IEEE HPSR 2021 - TPC chair
- IEEE GLOBECOM 2021 - Symposium Chair for CSSMA.
- IEEE GLOBECOM 2023 - Symposium Chair for CSSMA.
- IEEE CAMAD 2022 – Chairing & Organization
- Workshop around Big Data, AI, IoT, Vehicular Communications and Communication software in junction with the IEEE GLOBECOM 2022.

- Will feed active members in the SIG Big Data and Communication software to participate in the CommSoft TC Webinar Series
- Call for Interest, Track organization on areas of joint interest between the Data and Communication software SIG and endorsed conferences. (Not yet finalized).
SIG on Vehicular AdHoc Networks activities

*Head: Hacene Fouchal*

- SI on Recent Advances in E-Mobility in IEEE VT Magazine, **DL: July 8.**

- Connected Vehicles Series (CVS), a fixed annual special issue in IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, **DL October 31st**
  
  [http://www.it.is.tohoku.ac.jp/~tvtnotejournal/SI/SS_CV.pdf](http://www.it.is.tohoku.ac.jp/~tvtnotejournal/SI/SS_CV.pdf)

- Special Issue "Future Intelligent Vehicular Networks Toward 6G" in MDPI Future Internet, **DL May, 31st**
SIG on Vehicular AdHoc Networks activities

*Head: Hacene Fouchal*

- The end of the EU project C-Roads (on connected vehicles) was December 2021. Its output: a set of specifications on use cases, on secured communications and best practices for the software development on vehicles.

  
  (https://www.mdpi.com/journal/applsci/special_issues/Cooperative_Intelligent_Transport_Systems)
SIG on Performances Evaluation

Head: Abdellatif Kobbane

- Hybrid Seminars: Rachid El-Azouzi from University of Avignon France
  Thursday April 14, 2022 at 12:00 p.m. at the Grand Amphi at ENSIAS, Morocco
  « Approximation Algorithms and Near-Optimal Heuristics for Coflow Scheduling »

- Invited Keynote Speaker: « Flexible resources management in 5G mobile networks »

Second Edition of The International Workshop on New Services and Networks WNSN’22
during March 16-17, 2022, Khroubga, Morocco
SIG on Performances Evaluation

**Head: Abdellatif Kobbane**

- Significant publications:
  
  
SIG on Performances Evaluation

*Head: Abdellatif Kobbane*

- **Upcoming event**
  - School in AI and Game theory applied to communication networks in next december
  - Hybrid seminar series in June and October
  - WINCOM 2022
    - *October 26 – 29, 2022* // ENSIAS, Rabat, Morocco
    - [https://www.wincom-conf.org](https://www.wincom-conf.org)
    - (Submission deadline 15 May)
    - There will be an extension of the deadline 2 to Three weeks
  - Innovation projects and demo (Demo-IP)
  - Invited Keynote speaker at Workshop WCOS University Ibn Tofail, Kenitra, in June 2022
Virtual Seminar Series

- **Rachid El-Azouzi** from University of Avignon France, Thursday April 14, 2022 at 12:00 p.m. at the Grand Amphi at ENSIAS, Morocco « Approximation Algorithms and Near-Optimal Heuristics for Coflow Scheduling »

- Webinar on Sensors-Cloud for Internet of Things, IEEE(CSI) SBC, SKIT Jaipur, Rajasthan , India (Online), 2022 , TC **SIG Member: Arijit Roy**


eLetter – Fall 2022

Moayad Aloqaily and Aiman Erbad
TC Endorsed Conferences

- Communication Software, and Multimedia symposium (CSSMA), ICC 2022
  - Submissions: 55

- Communication Software, and Multimedia symposium (CSSMA), GC2022
  - Submissions: ?
CSSMA Considerations

- Submissions trend GC 19 onward...

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- We need to put more efforts to increase the submission number
TC Endorsed Conferences

- CommSoft TC is seeking **highly motivated** candidates to be nominated as symposium chairs for CSM and NGNI
- The TC has one chair for CSM, and may nominate one chair for the NGNI symposium
TC Endorsed Conferences

- ICC’23, Rome (Nomination)
  - Ahmed Refaey, Hyunbum Kim, Mervat Abu-Elkheir for CSM symposium
  - Hassine Moungla, Najah Abu Ali, Sudip Misra for NGNI symposium
  - Mohamed El Kamili for IoT & Sensor networks symposium
- GC’23, (Nomination)
  - Hassine Moungla for CSM symposium (confirmed)

Current open call for ICC 24
TC endorsed conferences

- WINCOM 2022, Rabat, Morocco
- WIMOB 2022, Thessaloniki, Greece
- CITS 2022, Athens, Greece
Next CommSoft TC meeting

Election Secretary position

- The TC officers organizes the election for the secretary position before GC22 meeting
  - P&P rules: Secretary->Vice-chair,Vice-chair->Chair

- Ad hoc nomination committee (for election)
  - Chair: Adlen Ksentini former chair of the TC
    Members:
    - Cheng Li
    - Jalel Ben-Othman

- Active members will receive an invitation to vote
Next CommSoft TC meeting

- Technical Achievement

- Call for IEEE COMMSOFT Technical Achievement Award is open