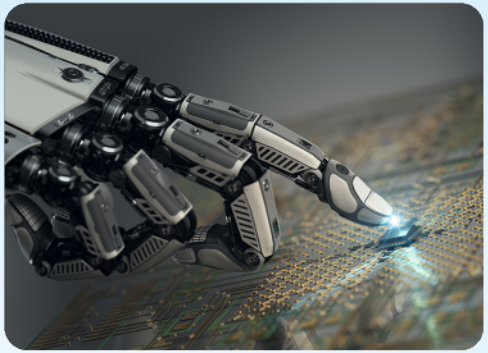

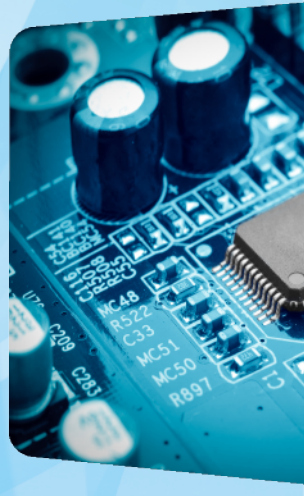

Communication Software Technical Committee

Monday June 22, 2020

IEEE ComSoc™
IEEE Communications Society

IEEE
Advancing Technology for Humanity

Agenda

- Chair's Welcome, and Member Introductions
- Approval of the agenda
- Approval of minutes for meetings at GC19
- Report on SIG activities
- Report on liaisons
- Report on member activities
- TC-involved journal/magazine publications
- TC-endorsed conferences
- Other business

IEEE ComSoc™ IEEE Communications Society
IEEE

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."
- More than 170 members in the mailing list
- Executives for the current term (2019-2021)
  - **Chair** Adlen Ksentini
  - **Vice-Chair** Abdellatif Kobbane
  - **Secretary** Abd-Elhamid M. Taha

IEEE ComSoc
CommSoft TC

GC’19 Meeting Minutes

- Minutes for GC’19
- Minutes posted and email sent to TC on on May 20, 2020
- Resent with announcement of this agenda on Jun 8, 2020

IEEE ComSoc™ IEEE Communications Society
IEEE

CommSoft TC Revised Policies and Procedures (P&P)

- Revised P&P of the CommSoft TC, in line with ComSoc's revisions has been approved during GC'19 by the TEA board
- New revision needs to be done, as requested by the new director Stefano Galli.
- We will provide the new details by email and surely to vote in GC'20

IEEE ComSoc™ IEEE Communications Society
IEEE

Update on Website, e-Letter

Editor: Abd-Elhamid M. Taha

- Website
  - Website maintained and with all TC news and updates posted (minutes, agendas, symposium information, …)
  - Open for suggestion on usability and ease of access
- TC e-Letter
  - 2020 first issue released.
  - 2020 second issue to be released in November.
    - Contributions welcome!

IEEE ComSoc™ IEEE Communications Society
IEEE

Liaisons – Standardization Activities

Liaison: Abd-Elhamid M. Taha

- Presented overview on TC and its interest on ComSoc SDB meeting on their August 30, 2019 meeting
- Interest in TC solicited on October 18, 2019
- Contribution/participation possibilities
  - Contributing to a ComSoc SDB WG
  - Championing an SI in the CommMag standardization series
  - Occasional funding availability for standards-related research/investigations.
- Currently following up and coordinating on interest expressed by members

IEEE ComSoc™ IEEE Communications Society
IEEE

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.”

IEEE ComSoc™ IEEE Communications Society
IEEE

CommSoft TC SIGs

Coordinator – Marwane Ayaida

- Special Interest Group on “Communication softwares for Vehicular AdHoc Networks”
  - Coordinator : Prof. Hacene Fouchal (Hacene.Fouchal@univ-reims.fr)
- Special Interest Group on “NFV and SDN technologies”
  - Coordinator : Looking for a new coordinator
- Special Interest Group on “Security in Software Communication”
  - Coordinator : Dr. Y. Saaverda & Prof. Jalel Ben-Othman (jbo@univ-paris13.fr)
- Special Interest Group on “Big Data and Communication software”
  - Coordinator : Dr. Hassine Moungla (hassine.moungla@parisdescartes.fr)
- Special Interest Group on “Performances Evaluation”
  - Coordinator : Dr. Abdellatif Kobbane (abdellatif.kobbane@um5.ac.ma)
- Special Interest Group on “ML and AI for Networking”
  - Coordinator : Dr. Melike Erol-Kantarci (Melike.erolkantarci@uottawa.ca)

IEEE ComSoc™ IEEE Communications Society
IEEE

SIG on Vehicular AdHoc Networks activities

Head: Hacene Fouchal

- Special Issue on 5G and intelligent vehicles in IEEE Networks
- An European PKI for connected vehicles has been launched in June 2020
- Volgswagen has produced a common Connected vehicle (Golf 8) through the protocol ITS-G5

IEEE ComSoc™ IEEE Communications Society
IEEE

SIG on Security

Head: Y. Saaverda & J. Ben-Othman

IEEE ComSoc™
IEEE Communications Society
IEEE

SIG on Big Data and Communication software

Coordinator – Hassine Moungla

IEEE ComSoc™
IEEE Communications Society
IEEE

SIG on Performances Evaluation

Head: Abdellatif Kobbane

- **TPC Chair** AHSN-ICC 2020
- **TPC Chair** AdhocNet 2020
- **General Co-Chair** WINCOM2020
- **Keynote** : JSN-Faculty of Sciences Aljadida initially scheduled for April will be scheduled later (due to COVID19)
- **Scientifique day in performance evaluation in mobile networks** at ENSIAS initially scheduled for April will be moved to November (due to COVID19)
- **DLT** initially scheduled for May will be scheduled later (due to COVID19)

IEEE ComSoc™ IEEE Communications Society
IEEE

ML and AI for Networking

Head: Melike Erol-Kantarci

- Appointed as Canada Research Chair in AI-enabled Next Generation Wireless Networks in 2019
- Selected to N2Women: 2019 Stars in Networking and Communications
- Leading three ENCQOR (Canadian 5G Program) grants since early 2020 on ML based techniques in networking
- Delivered 2 invited talks and 1 tutorial on AI-enabled networks in 2019
  - Invited talk at IEEE GlobalSIP'19
  - Invited talk at IEEE 5G World Forum'19
  - Tutorial at Ottawa AI workshop'19
- Appointed as an Associate Editor for IEEE Transactions on Cognitive Communications and Networking in 2020

IEEE ComSoc™ IEEE Communications Society
IEEE

ML and AI for Networking

Head: Melike Erol-Kantarci

- TPC Chair for CAMAD 2020
- Track chair for IEEE CCNC’21, Next Generation Protocols: MAC and above
- Symposium Chair for IEEE GLOBECOM, Communication Qos, Reliability And Modeling
- Symposium Chair for IEEE SmartGridComm, Communications and Networking Symposium
- Track Chair for IEEE CCNC', Wireless Communications: MAC And Cross-Layer Design

IEEE ComSoc™ IEEE Communications Society
IEEE

TC Endorsed Conferences

- **Softcomm 2020 (Flagship)**– The 28th International Conference on Software, Telecommunications and Computer Networks 2020, Hvar, Croatia
- **WinCom 2020** – The International Conference on Wireless Networks and communications, October, 2019, Fes, Morocco.
- **WiMob 2020** - The 15th International Conference on Wireless and Mobile Computing, Networking and Communications, October, 2019, Barcelona, Spain
- **ISNCC 2020** - The 2020 IEEE International Symposium on Networks, Computers and Communications, Ottawa, Canada.
- **SmartNets 2020 -** Third edition of the International Conference on Smart Applications, Communications and Networking, Glasgow, Scotland

IEEE ComSoc™ IEEE Communications Society
IEEE

TC Endorsed Conferences

- GC'20, Tapei
  - Boucif Amar Bensaber for CSSMA symposium (confirmed)
- ICC'21, Montreal
  - Adlen Ksentini for CSSMA symposium (confirmed)
- GC'21, Madrid
  - Hassine Moungla for CSSMA symposium (confirmed)
- ICC'22, Seoul
  - Marwan Ayaida for CSSMA symposium (nominated)
  - Nabil Benamer for Cognitive symposium (nominated)

IEEE ComSoc™ IEEE Communications Society
IEEE

TC Endorsed Conferences

- Communication Software, Services and Multimedia Applications symposium (CSSMA), GC 2021
  - Submissions: 71
  - Accepted papers – pending
  - Acceptance rate – pending

IEEE ComSoc™ IEEE Communications Society
IEEE

CSSMA Considerations

- Submissions trend ICC 17 onward …

CSSMA@?	ICC 17	GC 17	ICC 18	GC 18	ICC 19	GC 19	ICC 20	GC 20
Submissions	68	91	84	104	82	121	87	71

- We need to put more efforts to increase the submission number, otherwise the symposium will be downgraded to a special track.

IEEE ComSoc™ IEEE Communications Society
IEEE

TC Endorsed Conferences

- CommSoft TC is seeking **highly motivated** candidates to be nominated as symposium chairs for CSSSMA and NGNI
- The TC has one chair for CSSMA, and may nominate one chair for the NGNI symposium
- Current open calls for nominations
  - GC 22 (Rio de Janeiro, Brazil)
  - ICC 23 (Rome, Italy)

IEEE ComSoc™ IEEE Communications Society
IEEE

Open Call for Participation

Things to consider …

- Contribute to the e-Letter
- Champion or contribute to an SI
- Be involved in SIG activities
- Contribute to standardization activities
- Be a liaison
- Be a distinguished lecture
- Advocate and share CommSoft activities
- Publicize TC-sponsored venues

IEEE ComSoc™ IEEE Communications Society
IEEE

Other Business

- Call for nomination
  - Best Paper Award on topics related to the TCS
  - Achievement Award
  - Winner announced in GC’20
  - Details will be sent by email in the following days
  - Committee:
    - BPA, officers
    - Achievement award, officers and two previous chairs
- Election for the secretary position, announce for nomination will be sent via the ML

IEEE ComSoc™ IEEE Communications Society
IEEE

Conclusion

- Thank you, and stay safe. See you perhaps in Tapei

IEEE ComSoc™
IEEE Communications Society
IEEE