

## **TC Social Networks Meeting at GC 2021, Zoom Meeting**

Date: Wednesday, November 17, 2021

Time: 1:00 pm - 2:00 pm EST

Room: Zoom (19 participants)

### **Meeting Agenda**

- This is the 12th TC meeting for the Technical Committee on Social Networks that has been established and functioning from January 1, 2016.
  - Approval of meeting minutes
  - Approval of agenda
    - ✓ Motion:
    - ✓ Second:
  - Website: IEEE ComSoc Technical Committee,  
<https://sn.committees.comsoc.org>
- Agenda
  - Welcome and Introductions
  - Scope of TCSN
  - Approval of the ICC 2021 minutes
  - TCSN members and recognitions
  - TCSN status
  - Journal activities
  - Volunteers for the SAC tracks in GCs and ICCs
  - Secretary election
  - Newsletter
  - Special interest groups (SIGs)
  - Awards & IEEE ComSoC Student Competition
  - Other discussion topics
  - Adjourn

### **Scope of TCSN**

- TCSN serves as a forum for researchers and technologists to discuss the state-of-the-art, present their contributions, and foster the development of new emerging topical areas in social networks
- TCSN serves as ComSoc's focal point in the areas of social network, supporting IEEE ComSoc's activities (e.g., ComSoc's journals, magazines, conferences, IEEE standard activities, and the recognition and proposal of candidates) and organizing symposia, workshops, sessions and tutorials at ComSoc conferences
- Nominating suitable candidates for ComSoc and IEEE awards, proposing distinguished lecturer candidates, endorsing deserving candidates for the election to IEEE Senior Member and Fellow grade
- TCSN scope
  - Formation and evolution of human social networks
  - Information propagation and dissemination in human social networks
  - Small world phenomenon and its implication in telecommunication networks
  - Convergence of telecommunication networks and human social networks

- Social-aware network solutions in wireless and wireline communications systems
- Cross-layer design for social networks and the underlying communications platforms
- AI for communications and networking
- Optimization and protocol design for mobile social networks
- Network graph modeling, measurements, simulations, and experiments
- Analysis of dynamics and trends in the evolutions of social networks
- Analysis and control of belief, influence, and rumor propagations in social environments
- Analysis of social media, trust, and reputation
- Privacy and security in social network
- Social signal processing
- Data mining, machine learning, information retrieval, and artificial intelligence in social contexts
- Infrastructure, platform, protocol design, and optimization for mobile social clouds and social internet-of-things
- Innovative applications in social networks and services for mobile internet, multimedia networks, mobile e-commerce, and cyber-physical systems
- Multidisciplinary and interdisciplinary research on social networks
- New applications and services

### **TCSN Members and Recognitions**

- Any IEEE ComSoc member, who has been active in the TC activities for the past three years, can be a member of the TCSN. Also, it is necessary to subscribe to the TCSN mailing list
- A TC member shall attend (physically present or by teleconference) **three** or more of the prior six regular scheduled TC meetings for the past three years, cast informed votes on TC business, and be encouraged to assist in the conduct of TC business
- Individuals who are not ComSoc members may participate in TC activities as collaborators
- Congratulations to our members for receiving the following awards:
  - Prof. Burak Kantarci, University of Ottawa, Canada
    - ✓ Steering Committee Member, IEEE BlackSeaCom [starting 2022]
    - ✓ Steering Committee Chair, IEEE CAMAD [starting 2022]
  - Prof. Damla Turgut, University of Central Florida, USA
    - ✓ Chair-Elect of the IEEE Technical Committee on Computer Communications (TCCC) (2022-2023)
    - ✓ IEEE INFOCOM 2021 Distinguished TPC Member

### **Invited Talks, DL Lectures, Panels, etc.**

- Prof. Damla Turgut, University of Central Florida
  - Invited Talk:
    - ✓ “Humans, AI, and IoT”, at the IoT Connect Symposium, co-located with IEEE Canadian Conference of Electrical

- and Computer Engineering (CCECE 2020), September 17, 2021.
- IEEE ComSoc Distinguished Lectures:
  - ✓ “Physical and computational modeling of smart homes,” Hosts: IEEE Buffalo Section Chapter, Rochester Section Jt. Chapter, and Syracuse Section Jt. Chapter, November 4, 2021.
  - ✓ “Communication, computation, and privacy trade-off in machine learning for smart environments,” Hosts: Atlanta Section, Sacramento Valley Section, New York Section, Central Texas Section, Jamaica Section, Buenaventura Section, November 15, 2021.
- Prof. De-Nian Yang, Academia Sinica, Taiwan
  - Optimizing Pandemic Containment for COVID-19 by Social Network Analysis, IEEE Asia-Pacific Network Operations and Management Symposium (APNOMS), September 2021 [DEP]
- Prof. Burak Kantarci, University of Ottawa, Canada
  - AI-Backed Security and Resilience for Cyber-Physical Systems, ACM Distinguished Lecture at Ryerson University, Canada 25 October 2021
  - AI-Backed Security and Resilience for Cyber-Physical Systems, ACM Distinguished Lecture at Universidade Federal de Minas Gerais, Brazil, 19 August 2021
  - Artificial Intelligence-Backed Security and Resilience for Cyber-Physical Systems, Sheffield University (Invited Talk)
  - Adversarial Machine Learning-Driven Fake Task Anticipation in Mobile Crowdsensing Systems. IEEE Congress on Intelligent and Service-Oriented Systems Engineering (Invited Talk)
  - Empowering Artificial Intelligence Against Adversarial Patterns in the IoT Sensing Systems. Workshop on Wireless Intelligent Secure Trustable Things: bringing IoT and AI together in IEEE 7th World Forum on Internet of Things (WF-IoT), June 2021 [Keynote]
  - "AI-Backed Threat Modeling and Defense Strategies in IoT Sensing". IEEE International Workshop on Decentralized AI and Computing on IoT, July 2021 [Keynote]
  - “The Role of Artificial Intelligence in Dependable Cyber-Physical Systems” IEEE Computer Society YP Global Congress, 23 October 2021 [Invited Talk]

### **TCSN Status**

- Mail list
  - Currently: 938 members subscribed through mailing list
  - Website: <https://listserv.ieee.org/cgi-bin/wa?SUBED1=IEEEESTC&A=1>
- Interaction with members by means of:
  - Mailing list IEEEESTC@LISTSERV.IEEE.ORG
- To subscribe
  - <https://listserv.ieee.org/cgi-bin/wa?SUBED1=IEEEESTC&A=1>
- Social media
  - Twitter: @IEEEComSoc\_TCSN

- LinkedIn: IEEE ComSoc Social Networks Technical Committee
- Facebook fan page: IEEE ComSoc Social Networks Technical Committee

### **Journal Activities**

- Special Issues
  - JSAC (a section in emerging technologies, 2012)
    - ✓ Published in September 2013
  - IEEE Wireless Communications
    - ✓ Mobile Social Networks, 2014
  - IEEE JSTSP
    - ✓ Signal processing for social networks, 2014
  - IEEE Network
    - ✓ Networking for Big Data, 2014
  - IEEE JSAC Emerging Technology (a section, 2015)
  - KICS/IEEE JCN
    - ✓ Mobile Social Networks, 2015
  - IEEE Communication Magazine (2015)
  - IEEE Access (2016)
  - IEEE Journal of Selected Topics in Signal Processing (2017)
    - ✓ Signal Processing and Machine Learning for Education and Human Learning at Scale
  - Neurocomputing (2017)
    - ✓ Machine Learning for Non-Gaussian Data Processing
  - IEEE Transactions on Affective Computing (2017)
    - ✓ Affective Reasoning for Big Social Data Analysis
  - IEEE Transactions on Emerging Topics in Computing (2017)
    - ✓ Cyber Social Computing and Cyber-Enabled Applications
  - IEEE CS IT Professional (2017)
    - ✓ Graph Databases
  - IEEE Internet of Things Journal (2017)
    - ✓ Special Issue on Emerging Social Internet of Things: Recent Advances and Applications
  - IEEE Communication Magazine (2018)
    - ✓ Data Science/Artificial Intelligence Series
  - IEEE IoT journal (2019)
    - ✓ IoT and Big Data
  - IEEE Trans. on Computational Social Systems (2020)
    - ✓ Computational Social Systems for COVID-19 Emergency Management and Beyonds
    - ✓ Guest editors: Neeli Prasad, De-Nian Yang, Damla Turgut and others
    - ✓ Publication: June 2020
  - IEEE Communications Magazine (2020-2021)
    - ✓ Networking Technologies to Combat the COVID-19 Pandemic
    - ✓ Guest editors: Valeria Loscrí, Anna Maria Vegni, De-Nian Yang
    - ✓ Submission Deadline: 1 January 2021, 4:00 pm US Eastern time

### **TCSN Officers (2021 - 2023)**

- Chair: Damla Turgut
- Vice Chair: De-Nian Yang
  - Special mission: initiation of more technical activities
- Secretary: Burak Kantarci
  - Special mission: committee meeting logistics, enrichment of mailing list
- Information Officers: (volunteers needed and please contact neeliprasad@gmail.com)
  - Web: De-Nian Yang (Academia Sinica, Taiwan)
  - Newsletters: Anna Maria Vegni
  - Membership development: Eirini Eleni Tsiropoulou (University of New Mexico, USA) and Burak Kantarci (University of Ottawa, Canada)
    - ✓ Will continue to work on increasing the membership
    - ✓ We have 900+ members
  - Award committee:
    - ✓ We need to work on this (To do item)
    - ✓ Diversity is important and Vincent Chan said we have no diversity issues in this TC
  - Industry liaison: Charalampos Patrikakis
    - ✓ Industry and other related project
  - Liaison to ComSoc Standardization Board: Charalampos Patrikakis
    - ✓ Vincent Chan mentioned that IEEE is collaborating with industry in silicon valley to discuss which topics should be standardized and how to do it
  - Liaisons to TSCBD: Shui Yu (Deakin University, Australia)
  - Marketing: Neeli Prasad and De-Nian Yang

### **Conference Activities**

- 1<sup>st</sup> Workshop on Social Networks at ICC 2010
- ICC/GLOBECOM
  - GLOBECOM 2013
    - ✓ Track in SAC, Rep: K.C. Chen (National Taiwan University, Taiwan); 40 submissions and 15 accepted
    - ✓ Industrial panel: Microsoft, Cisco, Qualcomm
  - ICC 2014
    - ✓ Rep: Neeli Prasad (International Technological University, USA)
  - GLOBECOM 2014
    - ✓ Rep: Xianbin Wang (West Ontario University, Canada)
  - ICC 2015
    - ✓ Rep: Symeon Papavassiliou (National Technical University of Athens, Greece); 60+ submissions and 4 technical sessions
  - GLOBECOM 2015
    - ✓ Rep: Jelena Misic (Ryerson University, USA); 42 submissions

- ICC 2016
  - ✓ Rep: Pan Hui (Hong Kong University of Science and Technology, Hong Kong); 50 submissions and 19 papers are accepted (3 oral sessions and 2 interactive sessions)
- GLOBECOM 2016
  - ✓ Rep: K.P. Suba Subbalakshmi (Steven Institute of Technology, USA)
- ICC 2017
  - ✓ Rep: Damla Turgut (University of Central Florida, USA), 52 submissions
- GLOBECOM 2017
  - ✓ Rep: Lie-Liang Yang (University of Southampton, UK), 44 submissions (18 accepted)
- ICC 2018
  - ✓ Rep: Dusit Niyato (Nanyang Technological University, Singapore)
- GLOBECOM 2018
  - ✓ Rep: De-Nian Yang (Academia Sinica, Taiwan) 56 submissions (24 accepted)
- ICC 2019
  - ✓ Rep: Xiaoyan Zhu (Xidian University, China)
- GC 2019
  - ✓ Rep: Jelena Masic (Ryerson University, USA)
- ICC 2020 Dublin
  - ✓ Rep: Neeli Prasad (International Technological University, USA)
  - ✓ 19 submissions, 8 accepted papers (acceptance ratio of ~39%)
- GC 2020 Taipei
  - ✓ Rep: Eirini Eleni Tsiropoulou (University of New Mexico, USA)
  - ✓ 26 submissions (among the top numbers in the SACs), 10 accepted papers (acceptance ratio of ~38%)
- ICC 2021 Montreal
  - ✓ Rep: Damla Turgut (University of Central Florida, USA)
  - ✓ 22 submissions, 9 accepted papers (acceptance ration of ~40%)
- GC 2021 Madrid
  - ✓ Rep: De-Nian Yang (Academia Sinica, Taiwan)
  - ✓ 54 submissions, 21 accepted papers
- ICC 2022 Seoul
  - ✓ Rep: Abderrahim Benslimane (University of Avignon, France)
  - ✓ 25 submissions (review in progress)
- GC 2022 Rio de Janeiro
  - ✓ Rep: Neeli Prasad (International Technological University, USA)
- ICC 2023 Rome
  - ✓ Rep: De-Nian Yang (Academia Sinica, Taiwan)
- GC 2023 Kuala Lumpur

- ✓ Rep: Neeraj Kumar (Thapar Institute of Engineering & Technology, India)
- ICC 2024 Denver
  - ✓ Rep: Eirini Eleni Tsiropoulou
- GC 2024
  - ✓ Rep: Anna Maria Vegni
- CCNC 2017
  - ✓ Rep: Neeli Prasad (International Technological University, USA)
- CCNC 2018 and 2019
  - ✓ Rep:
- Goal: increase the number of submissions
  - Update topics in CFP
  - Advertise the CFP to the social media
  - Advertise the CFP to the authors of the previous symposiums
  - Advertise the CFP to the authors of previous ICCs and GCs
  - Regional mailing lists
  - Update TPC members in TCSN (we need to incentivize new people)

### **Newsletters/FB**

- Newsletters and/or Facebook
  - Twice a year
- Editors:
  - Issue no. 1: Damla Turgut
  - Issue no. 2: Neeli Prasad
  - Issue no. 3: De-Nian, Damla, and Eirini
  - Issue no. 4: Valeria Loscri and Anna Maria Vegni
  - Issue no. 5: De-Nian, Neeli, and Damla
  - Issue no. 6: De-Nian, Neeli, and Damla
  - Issue no. 7: Anna Maria Vegni

### **Special Interest Groups**

- Call for Interest in SIG creation
  - If interested to create other relevant SIG, please contact the TCSN Officers
    - ✓ Scope
    - ✓ Activities
    - ✓ Liaison with other TCs
  - TCSN support on SIG activities
    - ✓ Technically (co-)sponsor workshops and conferences
    - ✓ Promote seminars/talks
    - ✓ Organize special issues in journals
- Call for Interest in Liaison with other TC
  - If interested to serve as liaison with other TCs or other ETIs, please contact the TCSN Officers
  - Objective of liaison
    - ✓ Promote joint activities of interest
    - ✓ Coordinate initiatives (special issues/tracks in conferences/ workshops)

- ✓ Organize special issue in journals
- SloA SIG: Social Internet of Anything
  - SIG Officers
    - ✓ Chair: Anna Maria Vegni, Roma Tre University, Italy
    - ✓ Co-Chair: Valeria Loscri, INRIA Lille, France
    - ✓ Senior Advisor: A. Benslimane, University of Avignon, France
  - SIG Scope
    - ✓ The Social Internet of Anything Special Interest Group (SloA SIG) of the IEEE Technical on Social Networks (SN) promotes research and development in emerging area of social networking applied to communication networks, ranging from traditional IoT networks, including Internet of Vehicles, Internet of Flying devices, Internet of Medical devices, till Internet of People, where social features are relevant and exploitable for communication and networking purposes. Due to this huge application field, not limited to IoT, and since social aspects can find applicability in different fields, we extend the definition of Social IoT to Social Internet of Anythings. In this context, we are aware that new threats can emerge and make the SloA more vulnerable to cyber attacks. The SloA will focus on reserach activities on all these aspects. SloA SIG aims to provide a platform for researchers and practitioners from academia and industry to discuss relevant topics and exchange views on the important issues of SloA provisioning, social networking and connectivity, social community detection and prediction, social ties and hub nodes for communication networks, cross-layer design and inter-operability between communication networks and social networks. It will also assist the TCSN by organizing and supporting ComSoc-sponsored conferences and workshops, special issues and feature topics of relevant journals.
  - SIG Topics
    - ✓ Social network analysis applied to communication networks
    - ✓ Security and privacy issues in Social Internet of Anythings
    - ✓ Connectivity management ruled by social features
    - ✓ Machine learning for Big Data analytics in social Internet of Anythings
    - ✓ Integration of social aspects in traditional ad-hoc networks
    - ✓ Small-world theory applied to Social Internet of Anythings
    - ✓ Cross-layer design of communication networks and social networks
    - ✓ Epidemic social network analysis for pandemic contension
    - ✓ Social networking for contact tracing, location and tracking
    - ✓ Social Data and multimedia communication and privacy

### **ComSoc Standardization**



- ComSoc standards activities, including standards development and standardization programs development, is be restricted to communications, networking, and related fields, as defined in the scope of the Society and the charters of its Technical Committees
- The ComSoc Standards Development Board (COM/SDB) sponsors standards in communications and networking technologies. These include the technical domains and interests reflected in the scope of ComSoc Technical Communities
- Regular meetings, held via teleconference and WebEx, typically scheduled for 10 a.m. ET on the last Friday of each month
- Technical Domains, Committees & Subcommittees
  - Ad Hoc and Sensor Networks
  - Cognitive Networks
  - Communications and Information Security
  - Communications Quality and Reliability
  - Communications Software
  - Communications Switching and Routing
  - Communications Systems Integration and Modeling
  - Communication Theory
  - Computer Communications
  - Data Storage
  - e-Health
  - Green Communications and Computing
  - Information Infrastructure and Networking
  - Internet
  - Multimedia Communications
  - Network Operations and Management
  - Optical Networking
  - Power Line Communications
  - Radio Communications
  - Satellite and Space Communications
  - Signal Processing and Communications Electronics
  - Transmission, Access, and Optical Systems
  - Wireless Communications
  - Emerging Technical Subcommittees:
    - ✓ Applications of Nanotechnology in Communications
    - ✓ Autonomic Communications
    - ✓ Cable Networks and Services
    - ✓ Cloud Communications and Networking
    - ✓ Human Centric Sensing and Communications
    - ✓ Innovation and Standards in Information and Communication Technologies
    - ✓ Integrated Fiber and Wireless Technologies
    - ✓ Internet of Things
    - ✓ Nano-Scale, Molecular, and Quantum Networking
    - ✓ Peer-to-Peer Networking
    - ✓ Situation Management
    - ✓ Smart Grid Communications
    - ✓ Social Networks
    - ✓ Vehicular Networks and Telematics Applications

- Status and Actions
  - Working groups and projects are focused mainly on topics related to physics, electronics, radio, and transmission.
  - Communication with Periklis Chatzimisios (TCIIN \ TC Chair, contact person / Internet contact person)
  - Preparation of application
    - ✓ Who
    - ✓ What
    - ✓ Scope
  - Information Infrastructure & Networking
    - ✓ The Technical Committee on Information Infrastructure and Networking sponsors scientific activities consisting of interrelated set of technical, policy, and social issues implicit in the development of information infrastructures and supportive technologies to enable global networking. It sponsors papers, discussions, and standards and provides a forum for members to exchange ideas, techniques, and applications, and share experience among researchers.
  - Internet
- Proposal
  - ActivityPub extension (W3C Recommendation 23 January 2018): decentralized social networking protocol providing a client to server API for creating, updating and deleting content, as well as a federated server to server API for delivering notifications and content
  - Standard to represent data of Social Media content and Social Networks in an interchangeable compatible way, avoiding vendor lock-in and allowing users to migrate seamlessly from one SN platform to another, thus giving users actual control over their data

### **Award(s)**

- New awards might need approval by the ComSoc Award Committee
- We need to update P&P to establish any award (and award committee)
  - Change the constitution of the procedure, which needs approval by Technical and Education Committee
  - Need to set up the ad-hoc committee to change the procedure
  - New policy has been set

### **TCSN Survey Results**

- Promising future technological directions of interest to TCSN
  - Social aspects of mobile AR/VR: 15 (44.12%)
  - Location- and tracking-based mobile social networking: 20 (58.82%)
  - Social networks and anthropogenic climate change: 7 (20.59%)
  - Social interaction-based recommendation: 18 (52.94%)
  - Health search and mining on social networks: 17 (50%)

- Integrity in social networks and media: 14 (41.18%)
- Social networks for disaster management: 11 (32.35%)
- Misinformation and misbehavior mining on social networks: 16 (47.06%)
- Social network analysis of humanitarian mapping: 6 (17.65%)
- Cross-layer design of communication networks and social networks: 14 (41.18%)
- Epidemic social network analysis for COVID-19 pandemic: 13 (38.24%)
- Multimodal social behavior analysis for home-quarantined users immersed with digital media: 7 (20.59%)
- Other: 3 (8.82%)
  - ✓ Human behavioral modeling in complex systems
  - ✓ Decentralization, interoperability, data portability
  - ✓ The decentralization of social media
- Better TC plans to pursue those directions
  - Subcommittee and special interest groups (SIGs): 17 (50%)
  - Special issue and workshop proposal: 26 (76.47%)
  - Summer and winter school: 8 (23.53%)
  - Newsletter: 6 (17.65%)
  - Liaison to other communities: 3 (8.82%)
- Important research directions for TCSN SIGs
  - Social-aware Communication Networks and Edge Computing: 26 (76.47%)
  - Privacy and Security in Social and Communication Networks: 19 (55.88%)
  - Machine Learning for Big Data Analytics in Social Networks: 17 (50%)
  - Social Media Analysis and Knowledge Discovery: 17 (50%)
  - Social-driven Cross-layer Design and Applications: 13 (38.24%)
  - Other: 1 (2.94%)
    - ✓ The decentralization of social media
- Current issues and needs of TCSN
  - Mis/Dis-information in social networks curbing biases - racial, gender etc. in social networks for instance in targeted marketing
  - Decentralization, interoperability, data portability, event detection
  - Links to popular applications and also independent efforts for opensource social networks
  - Defining the narrow scope of interest for the group, while keeping the broad base/appeal
  - A better calibration of social aspects together with technical issues and interaction with pandemic context
  - Connection with other TCs to attract more participants

## **New Issues (Other Discussion Topics)**

- Online seminars
- More activities
  - Please put activity announcements on committee web
  - COVID-19 related SI, Chapters, Books, etc.
  - DLs
  - Please put activity announcements on committee web
  - Summer/winter school?
    - ✓ Funding issue
    - ✓ Contact issue
    - ✓ TC can endorse technical sponsorship of international conferences organized by TC members
  - Workshops etc. at ICC/GC/INFOCOM/CCNC for security/privacy, big data, etc.
  - SI for IEEE journals
  - TC can endorse technical sponsorship of international conferences organized by TC members
- Prof. Vincent Chan suggests that having a virtual platform to support the video link to anybody around the world who wants to come in is a better way to reach any corners of the globe, even if we go back to face-to-face in the future.

## **Attendee List**

| Name                       | Affiliation   | Email  |
|----------------------------|---|--|
| Neeli Prasad (Past Chair)  | TrustedMobi "VehicleAvatar Inc.," USA                           | <a href="mailto:neeliprasad@gmail.com">neeliprasad@gmail.com</a>                                 |
| Damla Turgut (Chair)       | University of Central Florida                                   | <a href="mailto:turgut@cs.ucf.edu">turgut@cs.ucf.edu</a>   |
| De-Nian Yang (Vice Chair)  | Academia Sinica   | <a href="mailto:dnyang@iis.sinica.edu.tw">dnyang@iis.sinica.edu.tw</a>                           |
| Burak Kantarci (Secretary) | University of Ottawa (Clarkson University)                      | <a href="mailto:burak.kantarci@uottawa.ca">burak.kantarci@uottawa.ca</a>                         |
| Ahmed Omara                | University of Ottawa  | <a href="mailto:aomar020@uottawa.ca">aomar020@uottawa.ca</a>                                     |
| Abderrahim Benslimane      | University of Avignon, France                                   | <a href="mailto:abderrahim.benslimane@univ-avignon.fr">abderrahim.benslimane@univ-avignon.fr</a> |
| Abd-Elhamid Taha           | Alfaisal University   | <a href="mailto:hamid.taha@ieee.org">hamid.taha@ieee.org</a>                                     |
| Anna Maria Vegni           | Roma Tre University   | <a href="mailto:annamaria.vegni@uniroma3.it">annamaria.vegni@uniroma3.it</a>                     |
| Barbara Guidi              | Department of Computer Science, University of Pisa, Italy       | <a href="mailto:guidi@di.unipi.it">guidi@di.unipi.it</a>   |
| Charalampos Patrikakis     | Technological Education Institute of Piraeus, Professor UniWA   | <a href="mailto:bpatr@teipir.gr">bpatr@teipir.gr</a>   |
| Cyn Sikora                 | IEEE ComSoc Industry Outreach and Technical Activities Director | <a href="mailto:c.a.sikora@comsoc.org">c.a.sikora@comsoc.org</a>                                 |
| Didem Cicek                | University of Ottawa  | <a href="mailto:dcice028@uottawa.ca">dcice028@uottawa.ca</a>                                     |

|                          |   |  |
|--------------------------|---|--|
| Eirini Eleni Tsiropoulou | University of New Mexico  | <a href="mailto:eirini@unm.edu">eirini@unm.edu</a>                                 |
| Frank Li                 | University of Agder   | <a href="mailto:frank.li@uia.no">frank.li@uia.no</a>                               |
| Melike Erol-Kantarci     | University of Ottawa  | <a href="mailto:melike.erolkantarci@uottawa.ca">melike.erolkantarci@uottawa.ca</a> |
| Murat Simsek             | University of Ottawa  | <a href="mailto:murat.simsek@uottawa.ca">murat.simsek@uottawa.ca</a>               |
| Symeon Papavassiliou     | National Technical University of Athens, Greece                 | <a href="mailto:papavass@mail.ntua.gr">papavass@mail.ntua.gr</a>                   |
| Vincent W.S. Chan        | MIT's Research Laboratory of Electronics, IEEE COMSOC president | <a href="mailto:chan@mit.edu">chan@mit.edu</a>                                     |
| Valeria Loscri           | Inria Lille - Nord Europe                                       | <a href="mailto:valeria.loscri@inria.fr">valeria.loscri@inria.fr</a>               |