

## **TC Social Networks Meeting at ICC 2020, Zoom Meeting**

Date: Tuesday, June 23, 2020

Time: 03:00 - 05:00 pm EST

Room: Zoom Meeting (13 participants)

### **Meeting Agenda**

- This is the 9th TC meeting for Technical Committee on Social Networks that has been established and functioning from January 1, 2016.
  - Approval of meeting minutes
  - Approval of agenda
  - Website: IEEE ComSoc Social Network Technical Committee, <https://sn.committees.comsoc.org>
- Agenda
  - Introduction
  - Approval of Minutes
  - Journal Activities
  - Volunteers for the SAC Tracks in GCs and ICCs
  - Newsletter New Business
  - TCSN Survey
  - Special issue in TCSS
  - AoB
  - Adjourn

### **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 Beyond
- IEEE Internet of Things Magazine (2020)
  - Smart IoT Solutions for Combating COVID-19
- Potential topics and journals
  - Vehicular social networks, suggested by Abderrahim
  - Social industrial IoT and emotional IoT
  - Vincent Chan suggested us to consider JSAC SI as they are open to the idea.
  - Charalampos Patrikakis suggested IT Professional Magazine.
  - Stefano Galli suggested Communications Magazine.

### **TCSN Officers (2018 - 2020)**

- Chair: Neeli Prasad
- Vice-Chair: Damla Turgut
  - Special mission: initiation of more technical activities
- Secretary: De-Nian Yang
  - 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 (Roma Tre University, Italy)
  - Membership development: Burak Kantarci (University of Ottawa, Canada)
  - Award committee:
    - We need to work on this (ToDo item)
    - Diversity is important and Vincent Chan said we have no diversity issues in this TC
  - Industry liaison: Raju Venkataramana
    - Industry and other related projects (ask Patrikakis)
  - 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 (University of Sydney, 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 Mistic (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)
- GLOBECOM 2019
  - Rep: Jelena Mistic (Ryerson University, USA)
- ICC 2020 Dublin
  - Rep: Neeli Prasad (International Technological University, USA)
- GLOBECOM 2020 Taipei
  - Rep: Eirini Eleni Tsiropoulou (University of New Mexico, USA)
- ICC 2021 Montreal
  - Rep: Damla Turgut (University of Central Florida, USA)
- GLOBECOM 2021 Madrid
  - Rep: De-Nian Yang (Academia Sinica, Taiwan)
- ICC 2022 Seoul
  - Rep: Anna Maria Vegni (Roma Tre University, Italy)
- GLOBECOM 2022 Rio de Janeiro

- Rep: Abderrahim Benslimane (University of Avignon, France)
- ICC 2023 Rome
  - Rep: Neeraj Kumar (Thapar Institute of Engineering, USA)
- GLOBECOM 2023 Kuala Lumpur
  - Rep: Sudip Misra (Indian Institute of Technology, India)

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

- Suggestions to TC website
- Newsletters
  - Available on the website
- More activities
  - Please put activity announcements on the committee web
  - COVID-19 related SI, Chapters, Books, etc.
  - DLs
  - Please put activity announcements on the 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
- Suggestions to enlarge mailing list

### **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: Sudip Misra

### **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 the Technical and Education Committee
  - Need to set up the ad-hoc committee to change the procedure
  - A new policy has been set

### **TCSN Survey**

- What are the current issues and the needs of the TC in your opinion?
  - We need to find a way to interest and to involve more researchers
  - Building a strong community
- What are the promising future technological directions of interest to TCSN?
  - Social aspects of mobile AR/VR: 12
  - Location- and tracking-based mobile social networking: 12
  - Social networks and anthropogenic climate change: 7
  - Social interaction-based recommendation: 15
  - Health search and mining on social networks: 15
  - Integrity in social networks and media: 16
  - Social networks for disaster management: 8
  - Misinformation and misbehavior mining on social networks: 17
  - Social network analysis of humanitarian mapping: 3
  - Cross-layer design of communication networks and social networks: 12
  - Epidemic social network analysis for COVID-19 pandemic: 16
  - Multimodal social behavior analysis for home-quarantined users immersed with digital media: 9
  - Other: 2
    - Graphical and latent structures of social networks
    - Decentralization of social networks
- What are the better TC plans to pursue those directions?
  - Subcommittee and special interest groups (SIGs): 19
  - Special issue and workshop proposal: 26
  - Summer and winter school: 8

- Newsletter: 10
- Liaison to other communities: 3
- Other: 1
  - Awards
- Discussion on the survey results
  - De-Nian discussed the highlights of the survey. It was good to see that we have been already working on a journal special issue as this was one of the highly recommended future topics by the TC members for the TC to work on.
  - Vincent Chan mentioned presenting misinformation and cyberbullying in social networks is an important topic that technical folks should consider working with policymakers. He mentioned that lawyers, judges learn from the books and they have much less experience with social networks, so it is new territory for them. He mentioned that we should get in touch with Linda Doyle from Trinity College Dublin in Ireland as well as Dimitra Simeonidou from the University of Bristol in the UK.
  - Damla mentioned that the social aspects of AR/VR are exciting and it is a new topic from the networking research as well. Raju Venkataramana agreed that GE would be interested in partnering on this topic.

### **Digital mentorship**

- Ask Eirini, check AESS, Networking Women (Damla).
- Vincent Chan suggests organizing a panel in a conference as he strongly believes that mentoring is essential and the junior faculty and industry partners will continue the work of the technical committees.
- Stefano Galli asked Neeli to share her ideas about the digital mentorship in a quick summary. We might be one of the few committees looking at mentorship idea although there are still several upcoming committee meetings.
- De-Nian will update the website with digital mentorship.

### **Others**

- Stefano Galli asked whether we have a good conference on social networks outside IEEE and if so, we could collaborate or acquire related conferences.

- Neeli was thinking that we could organize workshops in other conferences such as IEEE WCNC, VTC, etc.
- Neeli was suggesting to invite senior and/or junior faculty to give short technical presentations in our TC meetings.
- Neeli mentioned that we need to aim to keep our submissions at least 50-60 papers. De-Nian mentioned that we had fluctuations in the submissions. Eirini added that we had 26 submissions in GC'20 but it turns out it is not considered low within the GC20 SAC.
- Neeli suggested that we should consider organizing a panel with industry and academia to discuss research opportunities for social VR/AR from the perspective of the industry.
- Neeli suggested that we should consider summer/winter schools.