

TC Social Networks Meeting at GC 2020, Zoom Meeting

Date: Monday, December 21, 2020

Time: 8:00 am - 9:30 am SET

Room: Zoom (22 participants)

Meeting Agenda

- This is the 10th 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: Neeli Prasad (International Technological University, USA)
 - ✓ Second: Abderrahim Benslimane (University of Avignon, France)
 - Website: IEEE ComSoc Technical Committee, <https://sn.committees.comsoc.org>
- Agenda
 - Welcome and Introductions
 - Scope of TCSN
 - Approval of the ICC 2020 minutes
 - Invited speaker
 - 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

Invited Speakers

- Web freedom versus accountability (Ms. Sne P. Alam)
 - Bio: Sne Alam is a student at the University of Amsterdam, studying Political Science (2nd Year) and Media & Information (1st Year). She is specializing in Public Policy & Governance. She is the chair of Presidium at Machiavelli (Political Science study association) and a bachelor representative for the programme committee of social sciences at UvA. Prior to university Sne has attended school in Denmark and California, U.S.
 - Prof. Vincent Chan suggests that government regulation is needed to address some privacy associated issue and discrimination issue. Technical people also need to work with the lawyers so that they can understand how to implement laws in the cyber world.
- Optimizing Pandemic Containment for COVID-19 by Social Network Analysis (Prof. De-Nian Yang)

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
 - ✓ ACM Senior Member
 - ✓ Johns Evans Leaders Fund by Canada Foundation for Innovation to establish the Smart Connected Vehicles Innovation Hub. in Ottawa. Vehicular Social Network will be a core component of the Smart Connected Vehicle Innovation Hub
 - ✓ The ICNC'20 Outstanding Leadership Award but this was in Feb 2020
 - Prof. De-Nian Yang, Academia Sinica, Taiwan
 - ✓ 2020 ACM Distinguished Member
 - Prof. Damla Turgut, University of Central Florida, USA
 - ✓ IEEE ComSoc Distinguished Lecturer, 2021-2022

Keynotes

- Prof. Neeli Prasad, SmartAvatar B.V. NL and VehicleAvatar Inc., USA
 - Title: Cyber security challenges and and opportunities for Autonomous Vehicles
 - ERUDITE TALK SEASON 3, IEEE SJCE Student Branch Chapter, India, August 6, 2020. Live streaming with Registration of 250
- Prof. Neeli Prasad, SmartAvatar B.V. NL and VehicleAvatar Inc., USA
 - Title: Empathic Intelligence in Social Networks
 - IEEE Globecom 2020, Industrial Forum INDUSTRY FORUM 3 (LIVE): FIGHTING MISINFORMATION ON SOCIAL NETWORK, December 10, 2020
- Prof. Neeli Prasad, SmartAvatar B.V. NL and VehicleAvatar Inc., USA
 - Title: Green Network without Borders
 - WWRF-GBM International Online Workshop on How can future wireless Technology support Green Business Model Innovation?; October 21, 2020, CGC, Aarhus University, Herning, Denmark

TCSN Status

- Mail list
 - Currently: 932 members subscribed through mailing list (+355 from last year)
 - 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 (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: Neeli Prasad (International Technological University, USA)
 - Membership development: Eirini Eleni Tsiropoulou (University of New Mexico, USA)
 - ✓ Will continue to work on increasing the membership
 - ✓ We have 600+ 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: Raju Venkataramana
 - ✓ Industry and other related project (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 (Deakin University, Australia)
 - Marketing: Neeli Prasad and De-Nian Yang

Conference Activities

- 1st 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 Masic (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 (review process ongoing)
- GC 2021 Madrid
 - ✓ Rep: De-Nian Yang (Academia Sinica, Taiwan)
- ICC 2022 Seoul
 - ✓ Rep: Abderrahim Benslimane (University of Avignon, France)
- 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: Please volunteer via submitting your short bio to the TCSN officers
 - GC 2024
 - ✓ Rep: Please volunteer via submitting your short bio to the TCSN officers
 - 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)

COVID-19 Workshop in GLOBECOM 20

- Special Workshop on Communications and Networking Technologies for Responding to COVID-19
 - General Co-Chairs
 - ✓ H. Vincent Poor (Princeton University)
 - ✓ Neeli Prasad (SmartAvatar B.V., Netherlands)
 - ✓ Honggang Wang (University of Massachusetts, Dartmouth, USA)
 - ✓ Chia-Han Lee (National Chiao Tung University, Taiwan)
 - ✓ Christos Verikoukis (CTTC, Spain)
 - ✓ De-Nian Yang (Academia Sinica, Taiwan)
 - TPC Co-Chairs
 - ✓ Andrea Sciarrone (University of Genoa, Italy)
 - ✓ Valeria Loscri (Inria, France)
 - ✓ Ali Tajer (Rensselaer Polytechnic Institute, USA)

TCSN Secretary Election

- Nominations and Elections Committee (announced to all TCSN members via email on December 7, 2020)
- The mandate of the current Chair of TCSN is ending in 2020
- According to the new P&Ps of COMSOC, Damla Turgut and De-Nian Yang will be elevated to Chair and Vice-Chair, respectively. Therefore, an election for the secretary position will be held
- As per the new P&Ps, the candidates must be COMSOC members and active members of TCSN (i.e., attendees of at least **3** TCSN meetings in the past 3 years with realistic contributions to TCSN activities)
- A Nomination and Election Subcommittee (N&E) is formed as follows to verify the active status and willingness to serve for the candidates for the election:

- Kwang-Cheng Chen (Chair) (University of South Florida, USA)
- Neeli Prasad (SmartAvatars, Netherlands)
- De-Nian Yang (Academia Sinica, Taiwan)
- Candidates for Secretary Position (announced to all TCSN members via email on December 7, 2020)
 - Burak Kantarci, University of Ottawa
 - Abderrahim Benslimane, University of Avignon
 - Sudip Misra, Indian Institute of Technology
- Online voting will take place in January 2021. Instructions for voting will be announced soon.

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

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

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

IEEE ComSoc Student Competition

- Student Competition Representative: Damla Turgut
- *Communication Technology Changing the World*
 - **Goal:** *recognize students or teams of students with the capacity to improve people's lives through communication technology and the development of projects that meet the human needs of people*
- Prizes
 - 1st & 2nd: honorarium + plaque
 - *honorary certificates* of appreciation by the IEEE Comsoc
- Submission
 - Follow the requirements provided by IEEE
 - Project and optionally a video about the project
 - Deadline: September 17, 2020
 - Total of 54 eligible submissions
- Selection Committee Co-chairs:
 - Prof. Stefano Bregni and Prof. Nelson Fonseca
 - 55 members from other TCs
- Review and selection process
 - Phase 1: project submission; committee
 - Phase 2: project ranked; each member votes for the best among the top few projects
 - 2020 Competition Winners:
 - ✓ **First prize:**
 - *Microfluidic Networks: the Future of Human Integrated Communication Systems, HAMIDOVIC Medina, Johannes Kepler University Linz Austria*
 - ✓ **Second prize:**
 - *AirEmergCom: Airborne Emergency Communication System with Millimeter-Wave Beamforming, ZHU Lipeng Beihang, University China*
 - *Recycling Radio Waves for the Wide Adoption of Precision Agriculture, VOUGIOUKAS Georgios, Technical University of Crete Greece*
 - "Honorary mention" certificate for eleven projects
<https://www.comsoc.org/membership/ieee-comsoc-student-competition/winners>

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 Rashmi Prasad (Chair)	International Technological University, USA	neeliprasad@gmail.com
Damla Turgut (Vice Chair)	University of Central Florida, USA	turgut@cs.ucf.edu
De-Nian Yang (Secretary)	Academia Sinica, Taiwan	dnyang@iis.sinica.edu.tw
Abd-Elhamid Taha	Alfaisal University, Saudi Arabia	hamid.taha@ieee.org
Abderrahim Benslimane	Avignon University, France	abderrahim.benslimane@univ-avignon.fr
Aldri Luiz dos Santos	Universidade Federal do Paraná (UFPR), Brazil	aldri.santos@gmail.com
Barbara Guidi	Department of Computer Science, University of Pisa, Italy	guidi@di.unipi.it
Burak Kantarci	University of Ottawa, Canada	burak.kantarci@uottawa.ca
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