

**Communications Switching and Routing Technical Committee
(TC-CSR) Meeting Minutes
(To be approved at GC2020)
Meeting at ICC 2020
Location: Online Meeting
9:00am–11:00am EST, Monday, July 6, 2020**

CSR TC Officers:

Chair: Jian Tang

Vice Chair: Lotfi Mhamd

Secretary: Cheng Li

Number of Attendees: 23

1. Welcome and Introduction

The CSR TC Chair, Dr. Jian Tang opened the meeting and welcomed the attendees. Total of 23 people attended the meeting. A round of introduction was conducted for all meeting attendees. The list of people attending the meeting is enclosed at the end of the minutes. Due to Covid-19 pandemic, virtual on-line meeting was used for this TC meeting.

Dr. Larry Xue moved to approve the agenda of the meeting, seconded by Dr. Cheng Li, which was approved unanimously by the attendees.

The Chair introduced the current TC officers:

- Chair: Jian Tang
- Vice Chair: Lotfi Mhamdi
- Secretary: Cheng Li
- HPSR Steering Committee Chair: Abbas Jamalipour
- Award and Sponsorship Events Chair: Jun Zheng
- Comsoc Student Competition Officer: Roberto Rojas-Cessa
- Standardization Committee Liaison Officers: Nirmala Shenoy
- SIG Officer: Scott Fowler
- Newsletter Officer: Lotfi Mhamdi

2. Approval of the TC Meeting Minutes during GC2019

The minutes of the last TC meeting held during GC 2019 were circulated through the TC mailing list. It was briefly reviewed by the Chair and was approved unanimously by all attendees through the online vote. The approved minutes are available at the TC-CSR web site: http://site.ieee.org/comsoc-csr/files/2020/07/CSR_TC_MEETING_MINUTES_GC_2019.pdf.

The webpage of the CSR TC can be accessed at: <http://csr.committees.comsoc.org/>

3. Report on TC Standardization Activities

Dr. Nirmala Shenoy provided the report on the TC Standardization Activities, mainly from the IEEE COM/AccessCore Standards Committee activities where she is serving as the secretary. The committee is chaired by Alex Gelman, along with several voting members. Three project groups are shown in the report, predominantly from China, on drone and related applications. She is chairing the project 1910. Balloting is just over and the project is being revised. The project website can be accessed at: https://standards.ieee.org/standard/1910_1-2020.html.

In 2020, Project 1904.4 was approved, which is on specification for emerging 25G EPON and 50G EPON standard. The committee also approved Project 1937.1 moving to balloting when the documentation is ready. Project 1910.1 also went to balloting, for a total of 49 votes, 40 in favor, 2 opposed, and 5 abs. Early this year, election of subcommittee officers will take place. One more new project came to the committee's scope is on Internet Service to Rural Area (from India), the project is recently being revised as Project 1941.

4. Report from The Chair

- **TC P&P Update**

Past Chair Dr. Jun Zheng provided an updated on the TC P&P. In responses to the request from Nelson Fonseca, VP TEA-C, on Oct. 9, 2019, to ensure the TC's P&P consistent with the TC Board P&P. The revised TC P&P was submitted for comments before GC'19 meeting. Feedback was received on Dec. 11, 2020, stating that "Your P&Ps are in very good shape and consistency with the ComSoc P&P". The updated TC P&P was approved at the TC meeting at GC'2019. It was submitted to the TEA-C for final approval. It was approved by the TEA-C in December 2019.

- **TC Website**

The information of TC officers has been updated on the TC website. The approved TC P&P has been posted under the Procedures and Policies Tab. The draft of the TC meeting minutes of GC 2019 has been posted on the TC website under committee meetings.

- **Special Interest Groups (SIGs)**

A SIG website is created under the TC website.

- **Approval of the Awards Subcommittee**

Discussions were conducted regarding the TC council requirements on the Awards Committee. The slate of awards subcommittee roster was approved at the TC meeting:

Chair: Jun Zheng (Past TC Chair)

Members: Nirwan Ansari, New Jersey Institute of Technology
Pascal Lorenz, University of Haute-Alsace
Jian Tang, Syracuse University (Current TC Chair)
Guoliang (Larry) Xue, Arizona State University (Past TC Chair)

5. Reports on Conferences and Workshops

- CSR TC traditionally sponsors three ICC/GLOBECOM symposia:
 - Next Generation Networks and Internet (NGNI)
 - Optical Networks and Systems (ONS)
 - Mobile and Wireless Networking (MWN)

- Upcoming GC/ICC Venues and Dates:

Conference	Location	Date
ICC'2020	Dublin, Ireland	June 7-11, 2020
GC'2020	Taipei, Taiwan	Dec. 7-11, 2020
ICC'2021	Montreal, Canada	June 14-18, 2021
GC'2021	Madrid, Spain	Dec. 7-11, 2021
ICC'2022	Seoul, Korea	May 16-20, 2022
GC'2022	Rio de Janeiro, Brazil	Dec. 4-8, 2022
ICC'2023	Rome, Italy	May 28-June 1, 2023

ICC 2020 (Dublin, Ireland)

- ❑ Next Generation Networking and Internet Symposium
 - Nadjib Aitsaadi, University of Paris Est, France
 - **Chi Liu, Beijing Institute of Technology, China (TC representative)**
 - Muhammad Ali Imran, University of Glasgow, UK

- Statistics:
 - ❑ No. of submissions: 181
 - ❑ No. of papers accepted: 71
 - ❑ No. of TPC members: 257
 - ❑ Acceptance ratio: 39.2%

❑ Optical Networks and Systems Symposium

- **Roberto Rojas-Cessa, New Jersey Institute of Technology, USA (TC representative)**
- Zuqing Zhu, University of Science and Technology of China, China

- Statistics:
 - ❑ No. of submissions: 53
 - ❑ No. of papers accepted: 21
 - ❑ No. of TPC members: 79
 - ❑ Acceptance ratio: 40%

❑ Mobile and WIRELESS NETWORKING SYMPOSIUM

- Mehdi Bennis, University of Oulu, Finland
- Baoxian Zhang, University of Chinese Academy, China
- Lin Gao, Harbin Institute of Technology, China
- Ismail Guvenc, North Carolina State, USA

- Statistics:
 - ❑ No. of submissions: 145
 - ❑ No. of papers accepted: 58
 - ❑ No. of TPC members: 300
 - ❑ Acceptance ratio: 40%

GLOBECOM 2020 (Taipei, Taiwan)

❑ Next Generation Networking and Internet Symposium

- **Lotfi Mhamdi, University of Leeds, UK (TC representative)**
- Rami Langar, University Paris East Marne-la-Vallee, France
- Jerzy Domżał, AGH University of Science and Technology, Poland

- Statistics:
 - ❑ No. of submissions: 128
 - ❑ No. of TPC members: 160
 - ❑ The papers are under review

❑ Optical Networks and Systems Symposium

- Jiajia Chen, Chalmers University of Technology, Sweden
- Abdelmoula Bekkali, KDDI Research Inc., Japan

- Statistics:

- ❑ No. of submissions: 58
- ❑ No. of TPC members: 79
- ❑ The papers are under review

❑ Mobile and WIRELESS NETWORKING SYMPOSIUM

- Mohamad Assaad, CentraleSupélec, France
- Dongmei Zhao, McMaster University, Canada
- Ai-Chun Pang, National Taiwan University, Taiwan
- Anna Maria Vegni, Roma Tre University, Italy

- Statistics:
 - ❑ No. of submissions: N/A
 - ❑ No. of TPC members: N/A
 - ❑ The papers are under review

ICC 2021 (Montreal, Canada)

- ❑ Next Generation Networking and Internet Symposium
 - Periklis Chatzimisios, International Hellenic University, Greece
 - **Shiwen Mao, Auburn University, USA (TC representative)**
 - Ruidong Li, Network System Research Institute, Japan

- ❑ Optical Networks and Systems Symposium
 - Elaine Wong, The University of Melbourne, Australia
 - Chad Assi, Concordia University, Canada

- ❑ Mobile and WIRELESS NETWORKING SYMPOSIUM
 - Tingting Yang, Beijing Univ. of Posts and Telecom, China
 - Sharief Oteafy, DePaul University, USA
 - Hesham Elsayy, King Fahd University of Petroleum and Minerals, Saudi Arabia
 - Jun Zheng, Southeast University, China (nominated by AHSN TC)

GC 2021 (Madrid, Spain)

- ❑ Next Generation Networking and Internet Symposium
 - **Zuqing Zhu, University of Science and Technology of China, China (TC representative)**
 - Ilhem Fajjari, Orange Labs, France
 - Alessio Giorgetti, Scuola Superiore Sant'Anna, Italy

- ❑ Optical Networks and Systems Symposium
 - Rudra Dutta, North Carolina State University, USA
 - Mauro Biagi, University of Rome "La Sapienza", Italy

- ❑ Mobile and Wireless Networking Symposium
 - Shuai Han, Harbin Institute of Technology, China
 - Valeria Loscri, INRIA, France
 - Khoukhi Lyes, University of Technology of Troyes, France
 - Rui Wang, Tongji University, China

ICC 2022 (Seoul, Korea)

- ❑ The request for symposium co-chair nominations was received on Feb. 26, 2020.
- ❑ The call for nominations was sent to the CSR TC mailing list on Mar. 23, 2020.
- ❑ Each nominee must meet the following criteria:
 - Have committed time and effort to handle the entire review process and to timely report statistics to the CSR-TC.
 - Any candidate that has chaired, or has been selected to chair, 3 symposia from GC 2019 through GC 2021 may not be selected. Moreover, the TPC chairs encouraged not to select any candidate who is also chairing a symposium at GC 2021.
 - Should be an active CSR-TC member.
- ❑ The following information is required to be included in a nomination/self-nomination:
 - A list of up to three symposia or tracks that the nominee is qualified and interested in co-chairing (in order of priority).
 - Each candidate's affiliation, email, and webpage (or biosketch)
 - A list of all prior GC/ICC symposia chaired or experiences in other major conferences.
- ❑ Three people were nominated:
 - Scott Fowler, Linköping University, Sweden
 - Sami Souihi, University of Paris Est Créteil, France
 - Dejun Yang, Colorado School of Mines, USA

HPSR 2020 May 11-14, 2020 (Report by Chair: Roberto Rojas-Cessa)

- ❑ TPC Chairs: Xiaojun Cao, Vinod Vokkarane, and Rafael Asorey-Cacheda
 - HPSR is the International Conference on High Performance Switching and Routing.
 - HPSR is run annually by CSR-TC and is the flagship conference of CSR-TC.
 - No. of papers submitted (total): 55
 - No. papers accepted: 23, Acceptance ratio: 42%

- No. of Invited presentations: 21
- No. of Invited papers: 3 (peer reviewed)
- No. of TPC Committee Members: 60
- No. of reviews per paper: 3
- No. of Registrations: 185
- Max. Attendance: 82/a time
- Avg. Attendance: 52

ComSoc Student Competition 2019 (Report from Roberto Rojas-Cessa)

- ❑ Committee Chairs: Stefano Bregni and Nelson Fonseca, Selection Committee: 51 members
- ❑ Eligible submissions received: 49
- ❑ Prizes awarded in Globecom 2019.
 - **FIRST PRIZE** (*ex aequo*)
 - MiNiMAP: Localization and Tracking in a Multistatic Millimeter Wave MIMO Radar Network
MILLER Samuel, Massachusetts Institute of Technology, USA
 - AirScope: An Indoor Air Quality Monitoring System with Distributed Multi-Robots,
HU Zhiwen, Peking University, China
 - LICOT: Litter-Information-Centric Ocean of Things
RAHMATI Mehdi, Rutgers University, USA
 - **SECOND PRIZE**
 - Sons- A Smart Outdoor Navigation System for Visually Impaired People
SHIBER Aviad, Technion - Israel Institute of Technology, Israel
 - **Honorary Mention**
 - Optical fiber based smart pillow
SHEN Jinlu, Washington State University, USA
 - Mobile Stroke Microwave Detector System
ZHANG Zekun, Beijing Institute of Technology, China
 - Development Of A Crime Reporting And Hazardous Areas Alert Application
HAFDI Ahmed, Ecole nationale superieure d'informatique et d'analyse des systemes, Morocco
 - SMARTHERD: An IoT Machine Learning Based System and Method for Predicting Lameness in Dairy Cattle
TANEJA Mohit, TSSG Group, Waterford Institute of Technology , Ireland
 - Ad hoc Emergency Communication for Search and Rescue Drone Using GMSK Modulation with Active Transmitter Localization
ROHMAN Budiman P.A., Kumamoto University, Japan

- Indoor Navigation for The Visually Impaired
HETTIARACHCHI Ranjula, University of Moratuwa, Sri Lanka
- Wearable Cost Effective Wireless Dry Contact SEMG Sensor System for Controlling Digital Technologies
DE SILVA Ashwin, University of Moratuwa, Sri Lanka
- Intelligent Reconfigurable Reflectarray Antenna-Based High-Definition VR Massive MIMO Prototype for Rural Telemedicine
TAN Jingbo, Tsinghua University, China
- Emergency Communication System for Disaster and Remote Region
WICAKSONO Agung, Institut Teknologi Sepuluh Nopember, Indonesia
- S.A.F.E. - Self Adapting Flying network for communication and computation services in Extreme public safety scenarios
MENEGHELLO Francesca, University of Padova, Italy
- Driving Fatigue Detection System based on RFID
YANG Chao, Auburn University, USA

ComSoc Student Competition 2020 (Deadline: August 15, 2020)

- Author Eligibility: Student member or Graduate Student Member of IEEE Communications Society. Or team with either student members or non-members, but led by a student member. Age 18+.
- Topic Eligibility: Communications Area
- Scoring criteria (5): Social impact, Technical content, Originality, Practical Applicability and Results, Quality of Presentation.

• **Next meeting**

Attendees were invited to the Next AHSN TC meeting at GC'20, Taipei, China in December 2020.

• **Meeting Adjourn**

The meeting was adjourned at 11:00 am, Est.

List of attendees:

Jian Tang	Syracuse University
Lotfi Mhamdi	Leeds University
Cheng Li	Memorial University
Guoliang Xue	Arizona State University
Symeon Papavassiliou	NTUA
Abbas Jamalipour	University of Sydney
Abdelhamid Mellouk	University of Paris 12

Bernardi Pranggono	Sheffield Hallam University
Vincent Chan	MIT
Dejun Yang	Colorado School of Mines
Eirini Eleni Tsiropoulou	University of New Mexico
Hassine MOUNGLA	University of Paris
Jun Zheng	Southeast University
Marco ???	
Mohammed Atiquzzaman	University of Oklahoma
Nirmala Shenoy	RIT
Pascal Lorenz	University of Haute Alsace
Shiwen Mao	University of Auburn
Zuqing Zhu	USTC
Scott Fowler	Linkoping University
Baoxian Zhang	University of Chinese Academy of Science
Jingxian Wu	University of Arkansas
Jalal Ben-Othman	Centrale Supélec