

**Communications Switching and Routing Technical Committee  
(TC-CSR) Meeting Minutes  
(To be approved at GC2021)  
Meeting at ICC 2021  
Location: Online Meeting  
9:00am–11:00am EST, Friday, July 23, 2021**

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**CSR TC Officers:**

Chair: Jian Tang

Vice Chair: Lotfi Mhamd

Secretary: Cheng Li

**Number of Attendees:** 19

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**1. Welcome and Introduction**

The CSR TC Chair, Dr. Jian Tang opened the meeting and welcomed the attendees. A total of 19 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. Jian Tang moved to approve the agenda of the meeting, seconded by Dr. Cheng Li, which was approved unanimously by the attendees.

The Chair introduced the 2020-2021 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 GC2020**

The minutes of the last TC meeting held during GC 2020 were circulated through the TC mailing list on July 21, 2021, and it was posted on the TC website at: <https://csr.committees.comsoc.org/files/2021/07/GC-2020-Minutes.pdf>. The last meeting minutes was briefly reviewed by the Chair. It was moved by Dr. Larry Xue and seconded by Dr.

Cheng Li, and was approved unanimously by all attendees through the online vote. The webpage of the CSR TC can be accessed at: <http://csr.committees.comsoc.org/>

### 3. Report from the Chair

- **IEEE ComSoc Distinguished Lecturer 2021-2022**

The decisions for IEEE ComSoc Distinguished Lecturer 2021-2022 selection were released. Two of TC members were selected as the IEEE ComSoc DLT for 2021-22, including:

- Dr. Cheng Li, Memorial University of Newfoundland, Canada
- Dr. Shiwen Mao, Auburn University, USA

- **Globecom 2022 symposium co-chair nomination**

The selection of the Globecom 2022 symposium co-chair is finalized. Among the three members who were nominated, two got selected, including:

- Dr. Lotfi Mhamdi, University of Leeds, UK, for NGNI Symposium.
- Dr. Miao Pan, University of Houston, USA, for MWN Symposium.

### 4. ComSoc Student Competition 2020

- Committee Chairs: Stefano Bregni and Nelson Fonseca, Selection Committee: 51 members
- 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.
- Eligible submissions received: 54
- Prizes awarded in Globecom 2020.
- Awards: 1 prize: \$2000 + plaque, 2nd prize: \$1000 +plaque
- <https://www.comsoc.org/communications-technology-changing-world>
  
- IEEE ComSoc Student Competition 2021
- Deadline: August 15, 2021
  
- Student Competition 2020 Results
  - **FIRST PRIZE**
    - Microfluidic Networks: the Future of Human Integrated Communication Systems  
HAMIDOVIC Medina Johannes Kepler University Linz Austria
  - **SECOND PRIZE (*ex aequo*)**

- 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**  
Data Traffic Offloading onto mmWave-Capable UAV ‘Bridges’ in 5G+  
TAFINTSEV Nikita Tampere University Finland

Endophasia: Utilizing Acoustic-Based Imaging for Issuing Contact-Free Silent Speech Commands  
ZHANG Yongzhao Shanghai Jiao Tong University China

ProTrack: Proximity Level Tracking based on Passive Wireless Traces along with Mobility Trajectories.  
CHANG Tsung-Yu National Cheng Kung University Taiwan

H.O.P.E. for COVID - 19 - Hands-Free Operation for Public Elevators M Sundarramurthi  
DAYANANDA SAGAR COLLEGE OF ENGINEERING India

Edge Learning Enabled Resource Efficient Smart Energy Meter  
ROY CHOWDHURY Mayukh Indian Institute of Technology (IIT) Delhi India

Trusted Wireless Pollution Monitoring based on Blockchain in City-level NB-IoT Networks  
NGUYEN Lam Aalborg University Denmark

Recurrent-based Environmental Adaptive Device-Free Presence Detection for Wi-Fi CSI-based Networks  
HUANG Yu-Ming National Chiao Tung University Taiwan

SkopEdge: A Traffic-Aware Auscultation Sound Monitor  
DEB Pallav Indian Institute of Technology Kharagpur India

NoBis: A Crowd Monitoring Service Against COVID-19  
AVANZI Mattia University of Padova Italy

eHSO: a real-time eHealth Service Orchestrator for medical vehicles in 5G networks

MAULE Massimiliano UPC Universitat Politècnica de Catalunya Spain

RFID and BLE Enabled Smart Textile Wearable for COVID-19 Response

KHOO Celine Drexel University United States

## 5. Special Interest Groups (SIGs, Scott Fowler)

- A SIG website is created under the TC website, which was little updated.
- We received one SIG application for Routing and Switching during this period. However, due to the scope overlap issue, it did not work out.
- The proponent was encouraged to revise and submit for review and approval again.
- TC members are encouraged to create SIG with TC-CSR.
- Any interests are advised to contact the TC chair.
- A number of topics are listed, including:
  - Switching and Routing
  - Traffic Engineering
  - Network Signaling
  - Network Software, Hardware, and Middleware
  - Packet Network Applications
  - Network Processors
  - Network and Function Virtualizations
  - Data Center Networking and Cloud Computing
  - Mobile Networks
  - Energy Efficient and Green Networking
  - Information Networks

## 6. 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 2021	Montreal, Canada	Jun. 14-18, 2021
Globecom 2021	Madrid, Spain	Dec. 7-11, 2021
ICC 2022	Seoul, Korea	May 16-20, 2022
Globecom 2022	Rio de Janeiro, Brazil	Dec. 4-8, 2022
ICC 2023	Rome, Italy	May 28-Jun. 1, 2023
Globecom 2023	Kuala Lumpur, Malaysia	Dec. 2023
ICC 2024	Denver, USA	Jun. 2024
Globecom 2024	Cape Town, South Africa	Dec. 2024

### 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
  
  - Statistics:
    - ❑ No. of submissions: 152
    - ❑ No. of papers accepted: 63
    - ❑ No. of TPC members: 222
    - ❑ Acceptance ratio: 41.4%
  
- ❑ Optical Networks and Systems Symposium
  - Elaine Wong, The University of Melbourne, Australia
  - Chad Assi, Concordia University, Canada
  
  - Statistics:
    - ❑ No. of submissions: 52
    - ❑ No. of papers accepted: 21
    - ❑ No. of TPC members: 90
    - ❑ Acceptance ratio: 40%
  
- ❑ 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)
- Statistics:
  - ❑ No. of submissions: 187
  - ❑ No. of papers accepted: 74
  - ❑ No. of TPC members: 288
  - ❑ Acceptance ratio: 39.6%

### 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
  - Statistics:
    - ❑ No. of submissions: 129
    - ❑ No. of papers accepted: N/A
    - ❑ No. of TPC members: 249
    - ❑ Acceptance ratio: N/A
- ❑ Optical Networks and Systems Symposium
  - Rudra Dutta, North Carolina State University, USA
  - Mauro Biagi, University of Rome "La Sapienza", Italy
  - Statistics:
    - ❑ No. of submissions: 61
    - ❑ No. of papers accepted: N/A
    - ❑ No. of TPC members: 67
    - ❑ Acceptance ratio: N/A
- ❑ 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

- Statistics:
  - ❑ No. of submissions: 219
  - ❑ No. of papers accepted: N/A
  - ❑ No. of TPC members: 221
  - ❑ Acceptance ratio: N/A

### ICC 2022 (Seoul, Korea)

- ❑ Next Generation Networking and Internet Symposium
  - Abdallah Shami, Western University, Canada
  - Swades De, Indian Institute of Technology Delhi, India
  - Anna Maria Vegni, Roma Tre University, Italy
  - **Dejun Yang, Colorado School of Mines (TC representative)**
  
- ❑ Optical Networks and Systems Symposium
  - Marco Ruffini, Trinity College Dublin
  - Steve Hranilovic, McMaster University
  
- ❑ Mobile and Wireless Networking Symposium
  - **Scott Fowler, Linköping University, Sweden (TC representative)**
  - Pietro Manzoni, UNIVERSITAT POLITÈCNICA DE VALÈNCIA
  - Sharief Oteafy, DePaul University, USA

### GC 2022 (Rio de Janeiro, Brazil)

- ❑ Next Generation Networking and Internet Symposium
  - **Lotfi Mhamdi, University of Leeds, UK (TC representative)**
  - Qi Li, Tsinghua University, China
  - Selma Boumerdassi, Conservatoire National Des Arts et Métiers (CNAM), France
  
- ❑ Optical Networks and Systems Symposium
  - Suresh Subramaniam, George Washington University, USA
  - Anas Chaaban, University of British Columbia, Canada
  
- ❑ Mobile and Wireless Networking Symposium
  - Vojislav Mistic, York University, Canada
  - **Miao Pan, University of Houston, USA (TC representative)**
  - Linglong Dai, Tsinghua University, China
  - Yun Lin, Harbin Engineering University, China

## HPSR 2021 June 7-9, 2021

- HPSR 2021 was held on June 7-9, 2021 in Paris, France.
- 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.
- The conference website can be found at: <https://hpsr2021.ieee-hpsr.org>

## 7. Distinguished Technical Achievement Award

The TC Distinguished Technical Achievement Award was established in 2015 to recognize ComSoc CSR TC members for their technical contributions in the fields covered by CSR. The candidate will be nominated by CSR TC members. Any member of CSR TC is eligible for being nominated but self-nominations are NOT acceptable. The final awardee is selected by the CSR TC awards committee and presented at the TC-CSR meeting at ICC/Globecom. An award consists of a plaque.

### ❑ Past Award Winners (2015-2020)

- 2015: Chunming Qiao, SUNY at Buffalo, USA
- 2016: Abbas Jamalipour, University of Sydney, Australia  
Hussein T. Mouftah, University of Ottawa, Canada
- 2017: Mohammed Atiqzaman, University of Oklahoma, USA  
Andrzej Jajszczyk, AGH UST in Krakow, Poland  
Guoliang Xue, Arizona State University, USA
- 2018: Nirwan Ansari, New Jersey Institute of Technology, USA
- 2019: Shiwen Mao, Auburn University, USA
- 2020: Abdelhamid Mellouk, University of Paris-Est Créteil  
(UPEC), France

### ❑ For 2021 Award, a TC awards subcommittee was formed and approved at the TC meeting on July 6, 2020.

- Jun Zheng, Southeast University, China (**Chair**)
- Guoliang Xue, Arizona State University, USA
- Nirwan Ansari, New Jersey Institute of Technology, USA
- Pascal Lorenz, University of Haute-Alsace, France
- Shiwen Mao, Auburn University, USA

### ❑ The call for nominations for the Award was sent to the TC-CSR mailing list on May 6, 2021 and May 31, 2021.

- ❑ The criteria for the Award were explained in the Call.
  - A nominee must be a member of TC-CSR;
  - A nominee's technical contributions should fall in the technical

scope of TC CSR;

- A nominee's technical contributions should have a visible impact in the community.

❑ Two nominations received:

1) Bijan Jabbari, George Mason University, USA

2) Wojciech Kabaciński, Poznan University of Technology (PUT), Poland

❑ The selection was chaired by Dr. Jun Zheng and was anonymously conducted via ADoodle.org. All five committee members participated in voting.

❑ The award selection report was submitted to the ComSoc Technical Committees Director for approval on July 1, 2021 and was approved on July 22, 2021.

Dr. Bijan Jabbari from George Mason University, USA, was awarded the 2021 Technical Achievement Award.

## 8. Next meeting

Attendees were invited to the Next CSR TC meeting at GC'21, Madrid, Spain in December 2021.

## 9. Meeting Adjourn

The meeting was adjourned at 11:00 am, Est. Moved by Larry Xue and seconded by Cheng Li.

List of attendees:

Jian Tang	Syracuse University
Cheng Li	Memorial University
Cyn Sikora	IEEE ComSoc
Bernardi Pranggono	Sheffield Hallam University
Abdelhamid Mellouk	University of Paris 12
Vincent Chan	MIT
Augusto Casaca	INESC-ID/INOV
Dejun Yang	Colorado School of Mines
Eirini Eleni Tsiropoulou	University of New Mexico
Guido Maier	Politecnico of Milan
Guoliang Xue	Arizona State University
Kaigui Bian	Peking University
Miao Pan	University of Houston
Shiwen Mao	University of Auburn
Jun Zheng	Southeast University
Symeon Papavassiliou	NTUA
Tina Gaerlan	IEEE ComSoC

Wojciech Kabacinski	Poznan University of Technology
Baoxian Zhang	University of Chinese Academy of Science