

**Communications Switching and Routing Technical Committee
(TC-CSR) Meeting Minutes
(To be approved at Globecom 2019)
Meeting at ICC 2019, Shanghai, China
Location: Room Guilin/Wuxi, Level 3 Pudong Shangri-La Hotel
7:30 – 9: 30 May 21, 2019**

The TC-CSR bi-annual meeting was held during ICC 2019 on Tuesday, May 21, 2019 in Pudong Shangri-La Hotel, Shanghai, China. Due to a problem with the conference call, the meeting started around 7:50am and adjourned at 9:40am. The current TC Chair Dr. Jun Zheng chaired the meeting. Dr. Lotfi Mhamdi recorded the meeting minutes.

1. Welcome and Introduction

The Chair, Dr. Jun Zheng, opened the meeting and welcomed the attendees. Total of 18 people attended the meeting. The list of people attending the meeting is enclosed at the end of the minutes. A conference call was set up by Dr. Jun Zheng. We had Dr. Scott Fowler, Dr. Lotfi and Dr. Chin Liu, called in.

The Chair proposed the agenda of the meeting, which was accepted by the attendees. The Chair introduced the current TC officers:

- Chair: Jun Zheng
- Vice Chair: Jian Tang
- Secretary: Lotfi Mhamdi
- HPSR Chair: Abbas Jamaliour
- Award and Sponsorship Events Chair: Abdelhamid Mellouk
- Comsoc Student Competition Officer: Roberto Rojas-Cessa
- Standardization Committee Liaison Officers:
 - Nirmala Shenoy
 - Hesham elBakoury
- SIG Officer: Scott Fowler
- Newsletter Officer: Lotfi Mahamdi

2. Approval of the TC Meeting Minutes during Globecom 2018

The minutes of the last TC meeting held during Globecom 2018 was shown by the Chair and was approved by all attendees. The minutes were already posted on mailing list on May 4 2019. The approved minutes are available at the TC-CSR web site:

<http://csr.committees.comsoc.org/>

3. Report from the Chair

▪ TC TIP Codes

- ComSoc is working on a project to tag content on the IEEE ComSoc website with TIP codes.
- TIP codes are Technical Interest Profile codes which let IEEE members choose their areas of interest.
- TC chairs are requested to select the codes among a list of TIP codes.

- Suggestions were received from our TC officers and past TC chairs.
- Abbas suggested to be more focused in the TIP code selection in order to avoid the potential to be merged with other TCs.
- After discussion, four TIP codes were selected for our CSR TC:
 - Communications Switching and Routing
 - Internet Architecture, Technology Applications
 - Optical Communications and Networking
 - Software Defined Network (SDN)

▪ **TC Membership Form**

- ComSoc prepared a form to help TC Chairs gather information on TC membership.
- TC Chairs are required to request subscribers of the TC mailing list to fill this form (Deadline: May 30, 2019).
- Information in the filled forms will provide TC Chairs with a clear view of their TC membership after May 2019.
- Information on TC membership is important for the TC recertification and election.
- The number of subscribers in the TC mailing list will no longer be considered as a precise measure of the TC membership. However, a TC can continue to list this information in the TC recertification form.
- It is critical for TC members to complete this form for future involvement in CSR TC activities, including TC election voting, TC nomination, conference/workshop endorsement, etc.

4. **The newsletter report by Lotfi Mhamdi**

- The Newsletter has been proposed and approved and initiated the CSR-TC meetings in ICC'17, Paris and Globecom'18, Singapore.
- A means of sharing news, information and communications amongst members of the CSR and beyond.
- Open to everybody to contribute.
- Approximately 2 issues per year.
- Second issue in June 2019
- Potential content

June 2019

Inside This Issue

1	Preface
1	TC-CSR
2	Committee
3	Committee Meetings
3	Activities
4	Members News
4	Announcements
4	Upcoming Events

- Newsletter content
 - Fix (almost) content/sections: Preface, TC-Meetings, committees, etc.

- Variable content: Contributions of the TC members, news, events, etc. -> Contributions Needed here
- TC Members were urged to contribute, a form has been sent out for potential contributions
- **TC-Website by Lotfi Mhamdi**
 - The website has been updated (committees)
 - A number of updates on the website has been made.
 - Committees
 - Events and activities (updates to the Conferences organization, CSR-TC Distinguished Technical Achievement Award, CSR-TC Distinguished Service Award)
 - A Newsletter link/tab is added (replace the “News” tab).

5. Discussion about the Special Interest Groups (SIGs) by Scott Fowler

- The TC CSR done a lot of work to refresh and consolidate related topics
 - New step is the creating of Special Interest Groups (SIGs)
- The formation of SIG for TC CSR
 - New step is the creating of Special Interest Groups (SIGs)
 - The topics of interest include:
 - 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
 - Need for a web-page for the SIG

6. Report about the ComSoc student competition 2018 by Roberto Rojas-Cessa

- Committee Chairs: Stefano Bregni and Nelson Fonseca, Selection Committee: 45 members
- Eligible submissions received: 33
- Prizes awarded in Globecom 2018.
- **FIRST PRIZE**
Passenger Flows: Crowd Mobility Analytics with Edge Computing in Public Transport
Bitterschulte Kai, TU Dortmund University, Germany
- **SECOND PRIZE**
- iDriveSense: Towards Efficient Road Information Services
El-Wakeel Amr, Queen's University, Canada

- "HONORARY MENTION" CERTIFICATES
(in no order)
 - DeepMines: A fog enabled prediction platform for underground coal mines
 - Sanyal Sunny, Chongqing University Of Posts and Communications, China
An IoT-Based Water Quality Monitoring Device with Potability Prediction For Philippine Rural Areas
 - Reyes Arvin Christian, Malayan Colleges Laguna, Philippines
Communication and vision system for rescue tasks in coal mine areas
 - Genovés Guzmán Borja, University Carlos III of Madrid, Spain
An alert system against sexual harassment in urban public transport using RFID technology and SMS in GSM network
 - Pineda Pedro, Universidad Politecnica Salesiana-Cuenca, Ecuador
Connected Cows- Fog Assistance Towards Data Driven Smart Dairy Farming
 - Taneja Mohit, Waterford Institute of Technology, Ireland
Pedestrian Awareness Application
 - Giannone Francesco, Scuola Universitaria Superiore Sant'Anna, Pisa, Italy
Autonomous Nursing Robot
 - Ihtisham Muhammad Hamza, University of the Punjab, Pakistan
A Proactive Non-Signalized Intersection Management Design for Automated Vehicles Wu Hanlin, Nanjing University, China

7. Report about TC-standardization liaison by Hesham ElBakoury

No report has been given

8. CSR-TC Distinguished Technical Achievement Award

▪ Highlights

- Established in 2015
- To recognize ComSoc CSR TC members for their technical contributions in the fields covered by CSR
- Nominated by CSR TC members
- Selected by the CSR TC Awards Committee
- An Award consists of a plaque.
- Any member of CSR TC is eligible for being nominated.

▪ Award Winners (2015-2018)

- 2015: *Chunming Qiao*, SUNY at Buffalo, USA
- 2016: *Abbas Jamalipour*, University of Sydney, Australia
Hussein T. Mouftah, University of Ottawa, Canada
- 2017: *Mohammed Atiquzzaman*, 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 Distinguished Technical Achievement Award**

- Call for Nominations was sent to the TC mailing list in March 25, 2019.
- Number of nominations received: 2

- The Award committee consists of
 - i. Chair: Abdelhamid Mellouk (France, Europe)
 - ii. Member: Jun Zheng (TC Chair, Asia)
 - iii. Member: Jian Tang (TC Vice Chair, North America)
 - iv. Member: Scott Fowler (Europe)
- The Award winner is **Dr. Shiwen Mao**, Auburn University, USA.

9. Conferences and Workshops

Reports on HPSR

- 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.
- Report by Prof. Abbas Jamalipour, HPSR Steering Committee Chair
- Report by Prof. Achille Pattavina, HPSR 2019 General Chair

Reports on ICC/Globecom

CSR TC traditionally sponsors three ICC/GLOBECOM symposia:

- Next Generation Networks and Internet (NGNI)
- Optical Networks and Systems (ONS)
- Mobile and Wireless Networking (MWN)

Report from TAEC

- TC Sponsorship Calibration

Matthew Valenti, Chair, GC/ICC Technical Content Committee, sent an email on behalf of **GITC** regarding the general issue of Technical Committee sponsorship of the symposia/SAC tracks at both ICC and GLOBECOM.

Information requested

- a) What **one** symposium or SAC track does your TC identify most closely with (i.e., sponsor)? **Answer: NGNI**
- b) If there is a second symposia that your TC sponsors, please indicate it and justify why your TC is sponsoring two symposia. (I don't think this applies to your TC) **Answer: N/A**
- c) While your TC should be sponsoring just one (or at most two) symposia, we appreciate that there are other symposia for which you usually nominate chairs. If there are any such symposia, please indicate them below. **Answer: ONS and MWN**

Upcoming GC/ICC Venues

Conference	Location	Date
ICC'19	Shanghai, China	May 20-24, 2019

GC'19	Hawaii, USA	Dec.9-13, 2019
ICC'20	Dublin, Ireland	June 7-11, 2020
GC'20	Taipei, Taiwan	Dec. 7-11, 2020
ICC'21	Montreal, Canada	June 14-18, 2021
GC'21	Madrid, Spain	Dec. 7-11, 2021
ICC'22	Seoul, Korea	May 16-20, 2022
GC'22	Rio de Janeiro, Brazil	Dec. 4-8, 2022
ICC'23	Rome, Italy	May 28-June 1, 2023

10. Reports about recent GC and ICC

ICC 2019 (Shanghai, China)

- NEXT GENERATION NETWORKING AND INTERNET SYMPOSIUM
 - *Stefano Secci, UPMC Sorbonne, France*
 - *Miao Zhao, Hong Kong Polytechnic University, China*
 - *Rami Langar, UPEM, France*
 - Statistics:
 - No. of papers submitted: 231
 - No. of TPC members: 136
 - No. of papers accepted: 90
 - Acceptance ratio: 39%
- OPTICAL NETWORKS AND SYSTEMS SYMPOSIUM
 - *Scott Fowler, Linkoping University, Sweden*
 - *Xiaojun (Matt) Cao, Georgia State University, USA*
 - Statistics:
 - No. of papers submitted: 79
 - No. of TPC members: 28
 - No. of papers accepted: 29
 - Acceptance ratio: 36.70%
- MOBILE AND WIRELESS NETWORKING SYMPOSIUM
 - *Mianxiong Dong, Muroran Institute of Technology, Japan*
 - *Ye Li, Nantong University, China*
 - *Noriaki Kamiyama, Fukuoka University, Japan*

- *Wei Chen, Tsinghua University, China*

- Statistics:

- No. of papers submitted: 279

- No. of TPC members: 215

- No. of papers accepted: 109

- Acceptance ratio: 39.10%

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GLOBECOM 2019 (Hawaii, USA)

- **NEXT GENERATION NETWORKING AND INTERNET SYMPOSIUM**

- *Laurent Ciavaglia, Nokia Bell Labs, France*

- *Luca Foschini, Università di Bologna, Italy*

- *Alessio Botta, University of Napoli Federico II, Italy*

- Statistics:

- No. of papers submitted: 191

- No. of TPC members: 136

- Papers are under review

- **OPTICAL NETWORKS AND SYSTEMS SYMPOSIUM**

- *Reza Nejabati, University of Bristol, UK*

- *Mohan Gurusamy, National University of Singapore, Singapore*

- Statistics:

- No. of papers submitted: N/A

- No. of TPC members: N/A

- Papers are under review

- **MOBILE AND WIRELESS NETWORKING SYMPOSIUM**

- *Jun Zheng, Southeast University, China*

- *Qiang Li, Huazhong University of Science and Technology, China*

- *Lin Bai, Beihang University, China*

- *Chia-Han Lee, National Chiao Tung University, Taiwan*

- Statistics:

- No. of papers submitted: 275

- No. of TPC members: 349

- Papers are under review

ICC 2020 (Dublin, Ireland)

- **NEXT GENERATION NETWORKING AND INTERNET SYMPOSIUM**

- *Nadjib Aitsaadi, University of Paris Est, France*

- *Chi (Harold) Liu, Beijing Institute of Technology, China*

- *Muhammad Ali Imran, University of Glasgow, UK*

- **OPTICAL NETWORKS AND SYSTEMS SYMPOSIUM**

- *Zuqing Zhu, University of Science and Technology, China*

- *Roberto Rojas-Cessa, New Jersey Institute of Technology, USA*

- MOBILE AND WIRELESS NETWORKING SYMPOSIUM
 - Mehdi Bennis, University of Oulu, Finland
 - University of Chinese Academy, China
 - Lin Gao, Harbin Institute of Technology, China
 - Ismail Guvenc, North Carolina State, USA
- COMMUNICATIONS QOS, RELIABILITY AND MODELING SYMPOSIUM
 - Yusheng Ji, National Institute of Informatics (NII), Japan
 - Miki Yamamoto, Kansai University, Japan
 - Elli Kartsakli, Iquadrat, Spain

GLOBECOM 2020 (Taipei, Taiwan)

- NEXT GENERATION NETWORKING AND INTERNET SYMPOSIUM
 - Lotfi Mhamdi, University of Leeds, UK
 - Rami Langar, University Paris East Marne-la-Vallee, France
 - Jerzy Domżał, AGH University of Science and Technology, Poland
- OPTICAL NETWORKS AND SYSTEMS SYMPOSIUM
 - Jiajia Chen, Chalmers University of Technology, Sweden
 - Abdelmoula Bekkali, KDDI Research Inc., Japan
- 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

ICC 2021 (Montreal, Canada)

- Request for symposium co-chair nominations was received from ICC 2021 TPC Chair, Sonia Aissa, on April 1, 2019.
- Call for nominations was sent to the CSR TC mailing list in April 13, 2019.
- 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.
 - Have not served or have not been selected to serve as a symposium co-chair for 3 ICC/GC conferences prior to ICC 2021 (i.e., GC 2018 to GC 2020)
 - Should be an active CSR-TC member and has attended at least one TC meeting in the past two years.
- 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 interested in co-chairing (in order of priority).
 - A short biography with a URL to the nominee's webpage and a list of all ICC/GLOBECOM symposia/tracks that the nominee has chaired or will chair, emphasizing nominee's track record in conference leadership.
 - Nominee's past involvement in or contributions to CRS-TC.
- The number of nominations received: 1
 - Shiwen Mao, Auburn University, was nominated to ICC 2021 TPC Chair

11. Other Business: N/A

12. List of attendees:

Nirwan Ansari	NJIT, USA	ansari@njit.edu
Mohammed Atiquzzaman	University of Oklahoma, USA	atiq@ou.edu
Lotfi Mhamdi	University of Leeds	l.mhamdi@leeds.ac.uk
Scott Fowler	Linköping University, Sweden	scott.fowler@ymail.com
Jun Zheng	Southeast University, China	junzheng@seu.edu.cn
Jian Tang	Syracuse University, USA	jtang02@syr.edu
Baoxian Zhang	Univeristyof Chinses Academy of Sciences, China	bxzhang@ucas.edu.cn
Stefano Giordano	University of Pisa, Italy	stefano.giordano@unipi.it
Gualiang Xue	Arizona State University, USA	xue@asu.edu
Kohey Shiimoto	Tokyo City University	shiimoto@tcu.ac.jp
Zuqing Zhu	USTC, China	zqzhu@ieee.org
Shiwen Mao	Auburn University	smao@ieee.org
Roberto Rojas-Cessa	NJIT, USA	roberto.rojas-cessa@njit.edu
Nadjib Aitsaadi	LIGM/CNRS, France	nadjib.aitaadi@osiel.fr
Abbas Jamalipour	University of Sidney	a.jamalipour@ieee.org
Chi Liu	BIT, Beijing, China	chliu@bit.edu.cn
Augusto Casaca	INESC-INOV, Portugal	augusto.casaca@inov.pt
Yusheng Ji	NII	kei@uii.ac.jp
Cheng Li	Memorial University	licheng@mun.ca