

**Communications Switching and Routing Technical Committee
(TC-CSR) Meeting Minutes**

(To be approved at GC 2017)

**Meeting at ICC 2017, Paris, France
Hyatt Regency Etoile, Room Auteuil
7:30am - 8:30am on Tuesday, May 23, 2017**

The TC-CSR bi-annual meeting was held during ICC 2017 on Monday, May 23, 2017 in Hyatt Regency Etoile, Room Auteuil, Paris, France. The meeting started at 7:30am and adjourned at 8:30am. The meeting was chaired by the current TC Chair, Dr. Abdelhamid Mellouk. The meeting minutes were recorded by Dr. Jun Zheng and Dr. Jian Tang, TC-CSR Vice Chair and Secretary.

1. Welcome and Introduction

The Chair, Dr. Abdelhamid Mellouk, opened the meeting and welcomed the attendees. 20 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. Dr. Jian Tang (Syracuse University) called in.

The Chair proposed the agenda of the meeting, which was accepted by the attendees.

The Chair introduced the current TC officers:

- Chair: Abdelhamid Mellouk
- Vice Chair: Jun Zheng
- Secretary: Jian Tang
- Workshop and Conference Chair: Nirwan Ansari
- Comsoc Student Competition Chair: Roberto Rojas-Cessa

2. Approval of the TC Meeting Minutes during ICC 2016

The minutes of the last TC meeting held during ICC 2016 was quickly shown by the Chair and was approved by all attendees. The approved minutes are available at the TC-CSR web site: <http://csr.committees.comsoc.org/>

3. Report from GITC Meeting (Held at Monday May 22, 2:30pm-6:30pm) by the TC chair

1) Discussion about the future ICC/GC:

- GC 17: Singapore
- ICC 18: Kansas City
- GC 18: Abu Dhabi
- ICC 19: Shangai
- GC 19: Hawaii
- ICC 20 : Dublin

- ICC 21: Montreal
- 2) Discussion about organization for ICC/GC:
- Discussion about Chairing ICC/GC :
Proposal: 1 TPC chair and 2 Vice TPC chair (one for symposia and 1 for SAC)
 - Discussion about the number of co-chairs per symposium
Proposal: based on the number of submissions for 5 past years (Ex: 5 for WCS, 4 for MWN, etc. total 35 symposium chairs)
 - Discussion about tracks in SAC
Proposal : Fix 6 tracks (given by GITC) among 10 and give a space to the TPC for the others
 - Discussion about moving main symposia to tracks, or tracks to main symposia
Proposal: Adapt the situation based on the number of submissions. For 12 main symposia, if a symposium does not have sufficient submissions, drop it; if a SAC/track has many papers, make it a main symposium.
 - Discussion about P&P to nominate symposium co-chairs from TCs
Proposal: For each TC, select the symposium of most interest, nominate one candidate for this symposium; and possibly 1 or 2 other “floaters”.

4. Report about the TC re-certification by the TC Chair

The TC chair prepared a self-evaluation report with the help the TC secretary, which includes the following information:

- Website and clear charter/P&P;
- Clear definition of active members of TC and actively promoting the TC by attracting new blood;
- Activities: newsletter and interest group helps a lot;
- Conference and Publications
- Standard/industry involvement
- Names of the TC members for DL, IEEE SM or IEEE Fellows in the last 3 years.
- Others

5. Discussion about the Special Interest Groups (SIGs)

- The TC chair mentioned a lot of work has been done to refresh and consolidate related topics. He gave the following list of topics and asked if SIGs can be formed based on them:
 - 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
- A TC member proposed to consider Content Centric Network (CCN) along with emerging machine learning and AI techniques as the candidate for a SIG
 - Several questions were brought up about the SIGs: (1) Are SIGs really need for recertification? (2) What are expectations and what are the expected activities? (3) What's the procedure for creating a SIG?
 - Some suggestions and comments from TC members: (1) The TC chair confirmed that SIGs are really needed. (2) A SIG could be created to focus on content-centric networking based on big data, machine learning and AI. (2) A SIG is expected to develop some standards and proposals. (3) A SIG can maintain a mailing list to collect information and opinions from its members, find new paradigms, develop special issues, and create new conferences. (4) A SIG can have a chair, vice chairs, core members and general members.
 - The motion for the creation of one or two SIGs was approved by the TC. The TC chair called for proposals and volunteers for the new SIGs.

6. Discussion about the newsletter

- A member suggested the TC chair to delegate a chair for the newsletter and identify young people to work on it.
- The motion for the creation of a newsletter was approved by the TC.

7. Report about the ComSoc Student Competition 2016 by Roberto Rojas-Cessa

- **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.
- **Selection Committee:** 44 members (+2 officers)
- **Eligible submissions received:** 36
- **Winners announced in Globecom 2016:**
- **2 first prizes (Ex aequo) and 7 Honorary Mentions**
- **Awards:** 1 prize: \$2000 + plaque, 2nd prize: \$1000 +plaque More

information: <http://www.comsoc.org/blog/ieee-comsoc-student-competitions-communications-technology-changing-world-0>

- **FIRST PRIZE**

- **[Cooperative Networks for Ubiquitous Localization and Navigation](#)**

- Wenhan Dai, Bryan Teague, Zhenyu Liu
Massachusetts Institute of Technology, USA

- **[RIM: Resilient Information Management System in Network-Isolated Environment after Disasters](#)**

- Kazuya Anazawa, Yasuyuki Maruyama, Yuto Ouch, Hibiki Osawa, Yusuke Igarashi
The University of Aizu, Japan

- **HONORARY MENTION CERTIFICATES (in no order)**

- **Massive MIMO for Future 5G Wireless Systems**

- Paul Harris, Steffen Malkowsky, Joao Vieira, Wael Boukley Hasan
University of Bristol, UK

- **LoRa Congo: low-power, long-range monitoring technology for development projects in Congo**

- Gowri Sankar Ramachandran
iMinds-DistriNet, KU Leuven, Belgium

- **Pervasive Brace Monitoring System for Patients with Scoliosis**

- Mehdi Mohammadi, Cristian Adams, Vahid Alizadeh
University of Michigan, USA

- **ASUCIC: an Air-Surface-Underwater Collaborative Information Collection System**

- Yunfei Li, Shiyu Wang, Yu Zhang, Li'an Li
Shanghai Jiao Tong University, P.R. China

- **Engaging the User in Preserving Her Privacy On the Web**

- Hassan Metwalley, Stefano Traverso
Politenico di Torino, Italy

- **Vehicle Enabled Big Data Platform**

- Yik Him Ho, Chi Ho Pun, Wing Chun Kung
The Hong Kong Polytechnic University

- **GreenMeter: Energy Efficient Core Networks**

- Leonard Nonde, University of Leeds, UK

8. Report from Standardization Liaison: N/A

9. Workshops and Conferences

- 1) The ICC 2017 Best Paper Award (BPA) Committee includes four TC members: Hossam Hassanein (Queens University, Canada), Hsiao-Hwa Chen (National Cheng Kung University, Taiwan), Mohamed Atiquzzaman (University of Oklahoma, USA) and Ying-Dar Lin (National Chiao Tung University, Taiwan)

- 2) Three Best Paper Awards were given to the following papers:
- **Optical Networks and Systems**, “Physical layer security for optical attocell networks”, Zhe Chen and Harald Haas
 - **Mobile and Wireless Networking**, “MAP: Contention-free MAC protocol for VANETs with PLNC”, Eugène David Ngangue Ndihi and Soumaya Cherkaoui
 - **Next Generation Networking and Internet**, “Flocking virtual Machines in Quest for responsive IoT cloud services”, Sherif Abdelwahab and Bechir Hamdaoui

3) Report about GC 2017

- **Next-Generation Networking and Internet Symposium**

- Co-Chairs:

- F. Richard Yu, Carleton University, Canada
- Walter Cerroni, University of Bologna, Italy

Report:

- 252 valid submissions : This is one of the highest number of submissions to NGNI in the last few years.
- The review process is ongoing, deadline May 31st.

- **Mobile and Wireless Networks Symposium**

- Co-Chairs:

- Dusit Niyato, Nanyang Technological University
- Chadi Assi, Concordia University
- Shaowei Wang, Nanjing University

- Report:

- 334 valid submissions
- The review process is ongoing, deadline May 31st.

- **Optical Networks and Systems Symposium**

- Co-Chairs:

- Gangxiang (Steven) Shen, Soochow University
- Paolo Monti, KTH Royal Institute of Technology

- Report:

- 84 valid submissions
- The review process is ongoing, deadline May 31st.

4) ICC 2019 (Shanghai)

- Currently asking for nominations for the following three symposia:
 - Next Generation Networking Symposium
 - Optical Networks and Systems Symposium

- Wireless Networking Symposium
- Guideline: (1) Each sponsoring TC may nominate 1 candidate to the TPC Chair for the symposium that the TC finds the best match, except the largest TCs may nominate up to 2 candidates. Please note: nominations only serve as a source of input to the TPC Chair and not all nominations may be appointed. TPC Chair can also nominate additional qualified candidates from the broader research community, in consultation with GITC. (2) Symposium co-chair candidates should have strong publication records and some experience in conference activities. (3) To allow more volunteers involved, we are reluctant to select candidates who have been repeatedly serving as symposium chairs in recent years.

10. The CSR-TC Distinguished Technical Achievement Award

- To recognize members of ComSoc Communications Switching & Routing TC for their technical contributions in the fields covered by CSR
- Nomination by CSR-TC
- Selection by the CSR-TC Awards Committee
- Award consists of a plaque
- Any member of CSR-TC is eligible to receive the award
- Award committee Members: past two chairs, Hussein Mouftah and Abbas Jamalipour; External member: Stefano Giordano and the current CSR-TC chair, Abdelhamid Mellouk
- Three winners:
 - **Mohammed Atiquzzaman**
 - **Andrzej Jajszczyk**
 - **Guoliang (Larry) Xue**

11. Other Business: N/A

12. List of attendees:

Nirwan Ansari	NJIT, USA	ansari@njit.edu
Mohammed Atiquzzaman	Univ. of Oklahoma, USA	atig@ou.edu
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