

IEEE Communications Society Quantum Communications and Information Technology - ETC (QCIT-ETC)

Meeting held at IEEE ICC 2017

Place/ Room:
Hyatt Regency Etoile/Monceau

Date/Time: Tuesday May 23, 2017, 2:00pm – 3:30pm
Paris, France

Meeting Minutes

Participants

The total of participants was 22, all in presence.

1. Welcome / Introduction

The Chair Lajos Hanzo opened the meeting at 2:05pm. There were 22 members present.

The 4 founding members are: Lajos Hanzo, Andrea Conti, Michael Ng, and Peter Mueller

All participants introduce themselves and reported on their interest in the field of quantum communications and information technology.

The Chair presented the agenda as below

1. Approval of the Agenda
2. Welcome / Introduction
3. Approval of Previous Meeting Minutes
4. QCIT-ETC Awards
5. Report on ETC Technical Activity Council Meeting
6. Report on Conferences
7. Report on Publications
8. Standards Liaison
9. New Business Items
10. Next QCIT-ETC Meeting
11. Adjourn

The QCIT-ETC website is <http://qcit.committees.comsoc.org/>

There are two mail distribution lists (160+ members):

- qcit@comsoc.org

for internal announcements only (e.g., ICC, Globecom, Committee meetings like today, and Awards)

- qcit-announce@comsoc.org

for CFP email distribution list. It is open to all signed-up members to distribute QCIT related CFPs

Sign-up: Send “join QCIT(-ANNOUNCE)” message to list@comsoc.org

Unsubscribe: Send “SIGNOFF QCIT” message to list@comsoc.org

2. Approval of the Agenda

The agenda was approved.

3. Approval of Previous Meeting Minutes

The minutes of previous meeting (held at Globecom 2016 in Washington DC, USA) circulated via QCIT email list and website were approved.

4. QCIT-ETC Awards

The QCIT-ETC award program will start as soon as we receive approval from the TAC. In particular, Technical Recognition Award, Outstanding Service Award, and Early Achievement Award (up to ten years after Ph.D. degree) will be given annually.

Acting Awards Committee Chair is the elected QCIT-ETC Chair. Members of the Awards Committee will be the Awards Committee Chair, the three QCIT officers, and external member.

Calls for nominations as defined in the QCIT-ETC Policies & Procedures will be sent out via our distribution list. For details, see QCIT URL: <http://qcit.committees.comsoc.org/>

5. Reports on ETC-TAC Meeting

QCIT was started since about a year only. It was reviewed together with all ETCs and put on probation (come back in two years).

About possible overlapping with Nanoscale Quantum Molecular Comms STC: the outcome was that it is important to keep the two ETC initiatives separate (no merging) with one ETC focusing on bio/nano and the other ETC focusing on quantum comms/info

There will be a new review by Globecom 2017

Nanoscale Quantum Molecular Comms STC asked to remove “Quantum” from its name

Organization of the yearly ETC special issue for JSAC (most likely we could try for 2019). A call for volunteer was made during the meeting

A discussion is ongoing for starting Awards since ETC stage

6. Reports on Conferences

Since last meeting:

- QCIT Workshop at GlobeCom 2016, Washington DC, USA

1 Keynote (Erol Gelenbe), 8 Papers, 1 Panel

See: <https://edas.info/web/gc16workshopsqcit/index.html>

- QCFN Workshop at VTC-Spring 2017: May 15 2017, Sydney, Australia

1 Keynote (Michael Ng)

See: http://www.ieeevtc.org/vtc2017spring/workshops.php#wkshp_8 Further events can be found at the QCIT URL (see tab “Activities”)

- Keynote “Harnessing Quantum-Computing & Signal Processing in Wireless Communications” by Lajos Hanzo at IEEE WiSPNET, March 2017

- Keynote “Developments in Security for a Future with Quantum Computers” by Peter Mueller at IEEE ICACCI’16

Please use the QCIT-ANNOUNCE distribution list to send your CFPs and report your conferences, workshops, sessions, etc.

If you are looking for IEEE ComSoc support for your event, please ask anyone of the officers.

7. Reports on Publications

It was encouraged to submit papers at the QCIT workshop that will be held during Globecom 2017.

Submission deadline: set by the Globecom Workshop Chairs to July 1st p.v. Submissions will be handled via EDAS and you will receive other updates in the near future.

Please use the QCIT-ANNOUNCE distribution list to send your CFPs and report your special issues, book chapters, and so on.

QCIT is actually looking for a member who would be willing to serve in the position of an Appointed Representative of Publications.

If you are interested, please contact the officers.

8. Standards Liaison

The QCIT-ETC is supporting standards work within the field.

A first effort has been initiated by Steven Bush (bushsf@research.ge.com), specifically on IEEE standard proposal for Software-Defined Quantum Communication (SDQC).

9. New Business Items

Worldwide Large Regional Programs were mentioned: US IARPA and others; China Secure Backbone; EU Flagship and Quanterra

In particular, the following European efforts were highlighted: “Industry Perspectives on Quantum Technologies” – a study to prepare for the European Flagship Program on Quantum Technologies. <http://qcit.committees.comsoc.org/files/2017/05/Industry-perspectives-of-Quantum-Technologies.pdf>

«Quanterra initiative» <http://quanterra.eu/news/22-results-of-the-quanterra-proposers-day-in-malta>

«EU Flagship Progress» <https://ec.europa.eu/digital-single-market/en/news/quantum-europe-2017-towards-quantum-technology-flagship>

9. Next QCIT-ETC Meeting

Next QCIT ETC meeting will be held at IEEE Globecom 2017 in Singapore.

10. Adjourn

The meeting was adjourned at 3:15 pm.