

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

Meeting held at IEEE ICC 2018

May 21, 2018
2:30pm – 3:30pm
Kansas City, U.S.A.

Meeting Minutes

Minutes taken by: Andrea Conti

Participants

The total of participants was 20, all in presence.

1. Welcome / Introduction

The Chair Lajos Hanzo opened the meeting at 2:30pm. There were 20 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 Workshops & Conferences
7. Report on Keynotes & Invited Talks
8. Report on Publications & Future Events
9. Standards Liaison
10. New Business Items
11. Next QCIT-ETC Meeting
12. Adjourn

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

There are two mail distribution lists (200+ 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 2017 in Singapore) circulated via QCIT email list and website were approved.

4. QCIT-ETC Awards

The information related to this point are the same of previous meeting as reported below.

The QCIT-ETC award program will start as soon as we receive approval from the ETC TAC.

Acting Awards Committee Chair is the elected QCIT-ETC Chair.

Members of the Awards Committee will be the Awards Committee Chair, three QCIT officers, one 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

From ETC-TAC Meeting at Globecom 2017:

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

There will be a new review by ICC 2018 and it is important to increase the number of members and of the activities.

6. Reports on Conferences

A report on QCIT Workshop at Globecom 2017, Singapore, was given. Then, a report on International Workshop on Quantum Communications for Future Networks (QCFN) 2017, IEEE VTC 2017 Spring was also given.

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 Keynotes and Invited Talks

The following keynotes and invited talks have been given by QCIT members:

- Invited talk on Quantum-assisted Communications at Tsinghua University Beijing, China, on 26th October 2017. URL: <http://www.phys.tsinghua.edu.cn/publish/phy/8220/2017/20171024140011262894960/201710241400112.html>
- Invited Talk on Quantum-assisted Communications at UESTC Chengdu, China, on 3rd November 2017. URL: http://files.wireless.ecs.soton.ac.uk/QCIT-ETC/20171103_UESTC_talk/tn/UESTC_01_Hu_Ng_Yang.JPG.html
- Keynote at IEEE Future Technologies Conference (FTC) 2017 on Quantum Information Processing, 29th November 2017. URL: <http://saiconference.com/Conferences/FTC2017>
- Invited Talk on Scalable Quantum Computing – Towards useful applications, Paris, France, 29th March 2018. URL: http://orap.irisa.fr/?page_id=899

Meeting Talks: *during the meeting there were two talks. One on Quantum Internet by Marcello Caleffi and Angela S. Cacciapuoti, and another one on Quantum related experiments at Tsinghua University by Guilu Long.*

8. Reports on Publications

It was encouraged to submit papers at the QCIT workshop that will be held during Globecom 2018.

Submissions will be handled via EDAS and you will receive other updates in the near future. Submission deadline is expected to be Jul. 15, 2018.

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.

9. Standards Liaison

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

IEEE SA - 1913 - Software-Defined Quantum Communication

<http://standards.ieee.org/develop/project/1913.html>

IEEE SA - 1913 - Software-Defined Quantum Communication IEEE.org IEEE Xplore Digital Library IEEE Standards.

Liaison: [Steven Bush \(bushsf@research.ge.com\)](mailto:bushsf@research.ge.com)

IEEE SA - 7131 - Standard for Quantum Computing Performance Metrics & Performance Benchmarking

<http://standards.ieee.org/develop/project/7131.html>

IEEE SA - 7131 - Standard for Quantum Computing Performance Metrics & Performance Benchmarking IEEE.org IEEE Xplore...

Liaison: [Peter Mueller \(pmu@zurich.ibm.com\)](mailto:pmu@zurich.ibm.com)

IEEE SA - 7130 - Standard for Quantum Computing Definitions

<http://standards.ieee.org/develop/project/7130.html>

IEEE SA - 7130 - Standard for Quantum Computing Definitions IEEE.org IEEE Xplore Digital Library IEEE...

Liaison: [Peter Mueller \(pmu@zurich.ibm.com\)](mailto:pmu@zurich.ibm.com)

10. New Business Items

Worldwide Large Regional Programs

- US IARPA and others
- China Secure Backbone
- EU Flagship and Quanterra

European Efforts:

- “**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>
- «**Quantera** initiative» <http://quantera.eu/news/22-results-of-the-quantera-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 2018 in Abu Dhabi, UAE.

10. Adjourn

The meeting was adjourned at 3:30 pm.

Participants of QCIT Meeting

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Some photos taken during the meeting follow.

