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

Meeting held at IEEE Globecom 2017

December 4, 2017
2:00pm – 3:30pm
Singapore

Meeting Minutes

Minutes taken by: Andrea Conti

Participants

The total of participants was 26, all in presence.

1. Welcome / Introduction

The Chair Lajos Hanzo opened the meeting at 2:10pm. There were 26 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 Keynotes & Invited Talks

8. Report on Publications

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 ICC 2017 in Paris, France) 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 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 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 ICC 2017, Paris, France, has been 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:

- L. Hanzo, "Harnessing Quantum-Computing & Signal Processing in Wireless Communications" IEEE WiSPNET, March 2017

- P. Mueller et al., "Technology for Quantum Computing", EU DIADEMS & SIRTEQ Quantum Technologies Workshop 2017, Palaiseau, France, (invited talk,- 14. Sept. 2017)

- P. Mueller et al., "Collaboration on H2020 Projects in Quantum Computing" EU H2020 Proposers' Day 2017, Budapest, Hungary, (plenary, 10 Nov. 2017)

- P. Mueller et al., "Next Generation Processing - Quantum Computing", 15th IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS-2017), Novi Sad, Serbia, (keynote, 2 Oct 2017)

- P. Mueller et al., "Quantum Technology for IoT", The 38th IEEE Sarnoff Symposium 2017, NJ, USA, (plenary, 19. Sept. 2017)

- P. Mueller et al., "IBM Quantum Experience", Watson Summit 2017, Paris, France, (demonstration, 10. Oct. 2017)

- P. Mueller et al., "The best supercomputer", Viva Technology 2017, Paris, France, (demonstration, 15 June 2017)

- P. Mueller et al., "Quantum Information Processing", IEEE Future Technologies Conference (FTC'17), Vancouver, Canada (keynote, 29 Nov. 2017)

- S.X. Ng, "Quantum Communications", Tsinghua University, 26th October 2017.

- S.X. Ng, "Quantum Communications", University of Electronic Science and Technology of China (UESTC), 3rd Nov 2017.

8. Reports on Publications

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

Submission deadline: TBD. 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.

9. 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).

10. New Business Items

No new business items were reported

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 3:00 pm.