

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

Meeting held at IEEE ICC 2021

July 6, 2021
12am – 2pm EDT
Virtual

Meeting Minutes

Minutes taken by: Andrea Conti

Participants

The total of participants was 47, as listed at the end of this document.

1. Welcome and Opening

The Chair Lajos Hanzo opened the meeting at 12am EDT.

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

The Chair presented the agenda as below

1. Welcome and Opening
2. Approval of the Agenda
3. Meeting Technical Talks
4. Approval of Previous Meeting Minutes
5. Report on ETC Technical Activity Council Meeting
6. Report on Workshops & Conferences
7. Report on Keynotes, Invited Talks, Publications, and Future Events
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 e-mail distribution lists (450+ 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. Meeting Technical Talks

The following technical talks were given:

“Introduction to Quantum Coding” by Prof. Soon-Xin Ng, University of Southampton, UK;

“The Quantum 'Piggyback' Procedure” by Prof. Marco Chiani, University of Bologna, Italy.

Followed by a roundtable of short presentations of current research activities as

“A Cocktail of Cool Recent Results” by all attendants.

4. Approval of Previous Meeting Minutes

The minutes of previous meeting (held at IEEE Globecom 2020) circulated via QCIT website were approved.

5. Reports on ETC-TAC Meeting

No significant novelty for this meeting.

6. Reports on Workshops and Conferences

For the first time the QCIT ETC has organized a Track in the IEEE International Conference on Communications (ICC): *SAC Quantum Communications and Computing Track*, which resulted in a dedicated session in the main conference. A brief report on this was given by the Chair and QCIT representative Andrea Conti.

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 Report on Keynotes, Invited Talks, Publications, and Future Events

The list of keynotes, invited talks, and tutorial given by QCIT members was given, including:

Lajos Hanzo, “On the Road From Classical to Quantum Communications,” presented at Queen Mary U. of London, Jun. 2021

Lajos Hanzo, “On the Road From Classical to Quantum Communications,” presented at WTC, Apr. 2021

Daryus Chandra, “Quantum Communications over Noisy Entanglement,” presented at INSA Lyon, Feb. 2021

Lajos Hanzo, “On the Road From Classical to Quantum Communications,” presented at the Indian Institute of Technology/Kanpur, Jan. 2021

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

No news from previous meeting. 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)

9. New Business Items

None.

10. Next QCIT-ETC Meeting

Next QCIT ETC meeting will be held at IEEE Globecom 2021.

11. Adjourn

The meeting was adjourned at 2pm EDT.

Participants List

Name	Affiliation	Email
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1. Lajos Hanzo, Southampton University, lh@ecs.soton.ac.uk
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26. Bohdan Yavorsky TNTU named after Ivan Puluj Ukraine
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