BYLAWS

Boulder Cryogenic Quantum Testbed

Effective Date: 2/27/2020
PURPOSE

The Boulder Cryogenic Quantum Testbed (BCQT) is a non-profit, pre-competitive research facility.

The Consortium’s objectives include:

1) Develop and openly disseminate standard protocols to reproducibly measure the quality factor and performance characteristics of superconducting microwave resonators used in quantum computing circuits.
2) Organize meetings and workshops for the quantum industry
3) Provide Members with opportunities to access BCQT know-how, computer software and technology developed by participating Consortium Faculty.
4) Provide Members with opportunities to interact with Consortium students, technicians, postdoctoral associates and faculty.

Facilities:
The BCQT is located on the University of Colorado campus in the Spec laboratory at JILA. It is currently comprised loans of capital equipment:
   1) Janis dilution refrigerator, Google
   2) 4-port PNA-X vector network analyzer, Keysight

Funding:
The BCQT is currently funded via a gift to the University from Google to pay incidentals, part of an FTE to work on it, and a collaboration with students and postdocs from NIST.

MEMBERSHIP

Membership in the Consortium shall be open to all companies, universities, and national labs. While there is no annual fee, members are expected to loan equipment, provide labor, and share expenses for workshops and supplies on an equitable basis, as evaluated by the Board of Directors (defined below). A Member may leave the Consortium at any time unless bound by specific contractual agreement or proprietary arrangement. Upon leaving the Consortium, the Member shall have no further right to share in the research results generated under the Consortium or in any intellectual property resulting therefrom. Members that leave the Consortium and subsequently rejoin will not have access to research results generated or in any intellectual property resulting therefrom while not a Member.

ADMINISTRATION

The Consortium and will be administered through the JILA, at the University of Colorado. The functions and responsibilities of individuals and committees in the Consortium are as follows:
1. **Consortium Executive Board (EB)**
   The EB will consist of the Director and two co-directors. The initial board will be convened by volunteers from Google, NIST, and JILA. In subsequent years, the Board will be confirmed and rotated as necessary based on a ballot of the Advisory Board. The EB will be tasked with all administrative and operational decisions.

2. **Advisory Board (AB)**
   The AB will consist of one representative from each Member group. The responsibility of the representative is to communicate results from the work of the Consortium to their groups and to represent their groups in the Consortium. Members of the AB are expected to attend the Annual Meeting.

The AB may recommend modifications of the Bylaws to the Consortium Director. Modifications to the Bylaws can only be proposed by the Director, and must be ratified by two thirds of the Executive Board, and approved by the AB.

AB members will have the opportunity to review proposed projects and provide advice on the relative merits and economic potential of the projects.

**ANNUAL REVIEW MEETING**

The annual review meeting will serve as a forum for Members to become familiar with the on-going projects of Consortium Faculty. New proposals will also be presented in the annual review meeting. Any proprietary or confidential information presented at the annual review meeting will be identified as being proprietary and will be subject to the confidentiality obligations detailed in the Membership Agreement.

**REPORTING**

Any work conducted at or in collaboration with the BCQT should be acknowledged in papers and proposals as “This work was conducted in collaboration with the Boulder Cryogenic Quantum Testbed at JILA, University of Colorado”. Names of direct collaborators who enabled the project, but are not listed as coauthors, should also be acknowledged.