



# Workshop on Space Quantum Communications and Networks Developing the Roadmap to Quantum Communications in Space

Hosted by the Space Sciences Laboratory  
University of California – Berkeley  
7 Gauss Way, Berkeley, CA 94720  
Thursday, January 30 – Friday, January 31, 2020

The Workshop on Space Quantum Communications and Networks, hosted by the Space Sciences Laboratory at the University of California – Berkeley, sponsored by NASA's Space Communications and Navigation and the National Institute of Standards and Technology bring together esteemed technical and program leaders from academia, industry, and government agencies who, over two days, will determine which critical quantum technologies for space communications and networking NASA need to develop and mature for an efficiently-designed and executed quantum-technology demonstration space mission.

The workshop will aim to:

- Evaluate critically various mission design concepts for a NASA space-based quantum communication technology demonstration mission;
- Converge on a small subset of quantum communications and networking experiments suitable for space applications;
- Detect key technology gaps, and promote new and emerging technologies to enable such a mission within a five-year horizon;
- Identify potential collaborations and partnerships between NASA and other government agencies, industry, and academia and international partners.

Workshop keynote speakers will highlight the latest developments in quantum communications and networking science and technologies to help set the stage for in-depth panel discussions focusing on:

- Mission goals;
- Mission concepts;
- Mission technology requirements and gaps;
- Mission systems architectures.

Attendance at the workshop is by **INVITATION ONLY**.

Workshop presentations, panel discussions, and final recommendations will become publicly available following its conclusion.

Register for the workshop:

<https://www.surveymonkey.com/r/QMCZ86S>

## For more information contact:

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