



Workshop on Space Quantum Communications and Networks Agenda

Developing the Roadmap to Quantum Communications in Space

| Thursday, January 30, 2020 | Function | Presenter |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| 8:00am - 8:30am | Registration | Irene Tzinis / Jimmy Durden (NASA HQ) |
| 8:30am - 8:45am | Welcome | Randy Katz, Vice Chancellor for Research UC Berkeley |
| 8:45am - 9:00am | Logistics | Nasser Barghouty (NASA HQ) |
| 9:00am - 9:30am | NASA SCaN Vision | Badri Younes (NASA HQ) |
| 9:30am - 10:00am | NIST, Quantum Communications, and Clocks | Carl Williams (NIST) |
| 10:00am - 10:30am | Current and Near-Future Experiments for Quantum Communications from Space | Paul Kwiat (University of Illinois - UC) |
| 10:30am - 11:00am | Quantum Technology & NASA | T.R. Govindan (NASA ARC) |
| 11:00am - 11:15am | BREAK | |
| 11:15am - 11:45am | Leveraging Quantum in Communications & Sensing Systems - <i>A System's Perspective</i> | William Clark (General Dynamics Mission Systems) |
| 11:45am - 12:15pm | Unconditional Security in Quantum Cryptography and Computation | Umesh Vazirani (UC Berkeley) |
| 12:15pm - 12:30pm | Group Photo | |
| 12:30pm - 1:30pm | LUNCH (box lunch for those who reserved or on your own) | |
| 1:30pm - 2:30pm | Quantum Teleportation from Space (QTS) | Scott Hamilton (MIT-Lincoln Lab) |
| 2:30pm - 3:00pm | Panel Discussions vs. Points of Departure | John Lekki (NASA GRC) |
| 3:00pm - 4:45pm | Panel Discussions | Panel Chairs |
| 4:45pm - 5:15pm | Day 1 Wrap-up | Nick Siegler (NASA JPL) |
| 7:00pm | DINNER (pay at location) Skates on the Bay 100 Seawall Dr, Berkeley, CA 94710 in Skates Banquet - Bay View Room | |



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| 8:30am - 8:45am | Day 2 Warm-up | Nick Siegler (NASA JPL) |
| 8:45am - 10:30am | Panel Discussions (continue) | Panel Chairs |
| 10:30am - 10:45am | BREAK (and Chairs Meeting) | |
| 10:45am - 12:00pm | Panel Discussions (continue) | Panel Chairs |
| 12:00pm - 1:00pm | LUNCH (box lunch for those who reserved or on your own) | |
| 1:00pm - 1:30pm | Panel Summation #1 | John Lekki (NASA GRC) |
| 1:30pm - 2:00pm | Panel Summation #2 | Eleanor Rieffel (NASA ARC) |
| 2:00pm - 2:30pm | Panel Summation #3 | Babak Saif (NASA GSFC) |
| 2:30pm - 2:45pm | BREAK | |
| 2:45am - 3:15pm | Panel Summation #4 | Saikat Guha (University of Arizona) |
| 3:15pm - 4:00pm | General Discussions / Expectations | Nasser Barghouty (NASA HQ) |
| 4:00pm - 4:15pm | Closing Remarks | Badri Younes (NASA HQ) |
| 4:15pm - 4:30pm | Closing Remarks | Dan Stampur-Kurn (UC Berkeley) |