



# The View from NASA HQ *before* the Kickoff

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SCaN's Quantum Science and Technology Program, NASA HQ

Quantum Comm W/S, SSL, Berkeley, CA, January.30.2020



# First, Welcome and Thanks

- **To the UC-Berkeley/SSL team**

Profs. Steve Beckwith, Karl Van Bibber, Dan Stamper-Kurn, Ms. Doris Via, Mr. Neil Gilkin, Dr. Josh Isaacs, Ms. Dalila Robledo, Mr. Ho Nam Nguyen, and Mr. Bryan O’Gorman

- **To the NASA team**

Ms. Barbara Adde, Ms. Irene Tzinis, Ms. Kera Carter, Mr. Jimmy Durden, Mr. Mike Milsted, Dr. Nick Siegler, Dr. Babak Saif, Dr. John Lekki, Dr. Dimitri Antsos, and Mr. Pat Eblen

- **To NASA SCaN and NIST leaderships**

Mr. Badri Younes and Dr. Carl Williams



# Why This Workshop

- NASA SCaN has a “quantum” **vision**
- We need to hear from you, the SMEs, the program executives, the leaders in government, industry and academia to help SCaN define the goals for its vision by identifying **the path forward**, its challenges and its opportunities
- We will act on **your recommendations**
- We will plan to achieve these goals **together**





## ITAR Notice

All plenary presentations, plenary and panel discussions, and notes are to be based on publicly released and available information

# The Plenary Presentations

- These will inform, set the stage, and motivate the in-depth discussions at the four panels
- They are 30 minutes each, including 5 minutes for Q&A, except for the last one, Dr. Scott Hamilton's, on what we are calling *points of departure*, for 45 minutes + 15 for Q&A
- Will keep on schedule
- Most speakers will linger for the duration – you can catch them and ask more questions

# The Four Panels

- In-depth discussions leading to a set of actionable recommendations
- Led by a chair and a co-chair, with assistance for notetaking and other administrative functions
- We worked with the chairs on organization, management, etc.
- Aside from general guidelines and expectations, chairs will choose their co-chairs and manage their panel conduct
- Chairs and co-chairs will also lead authorship of their panel summation and the workshop's white papers

## Panels' Presentations and Discussions

- Panel discussions and panel recommendations open for wider discussion and critique
- We are not looking for “single-point convergence” on any of the main recommendations of the panels
- We are interested in narrowing options to a manageable few
- We are interested in hearing and registering all views
- We are interested in identifying potential partners and any and all areas of collaborations





## After the Workshop

- We will work with panel chairs and co-chairs on their white papers
- We plan to collect these in one edited document (as a NASA technical paper, for example)
- This document will inform and guide SCaN's quantum-technology roadmap
- This will define SCaN and its partners' program in quantum space communications and networks for the next few years