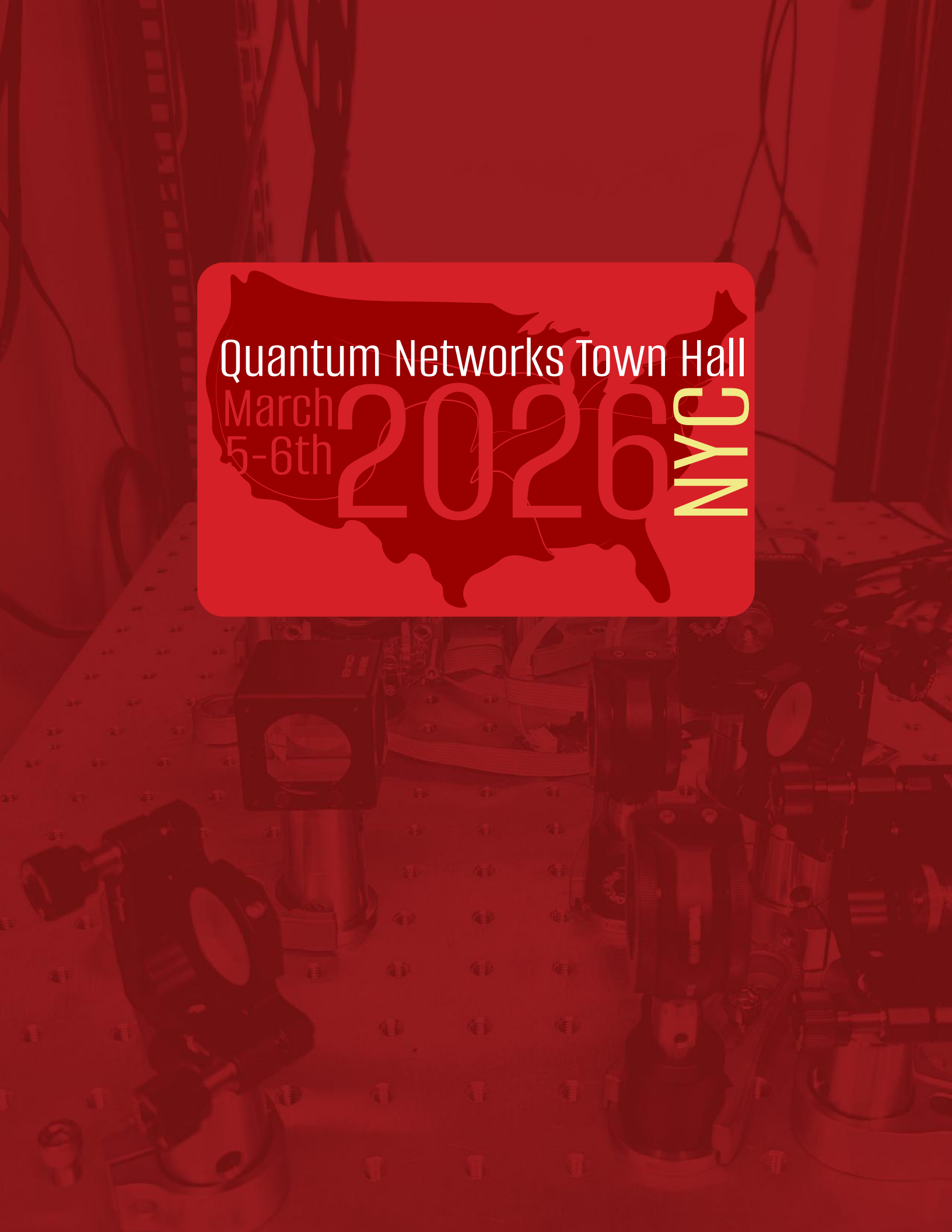
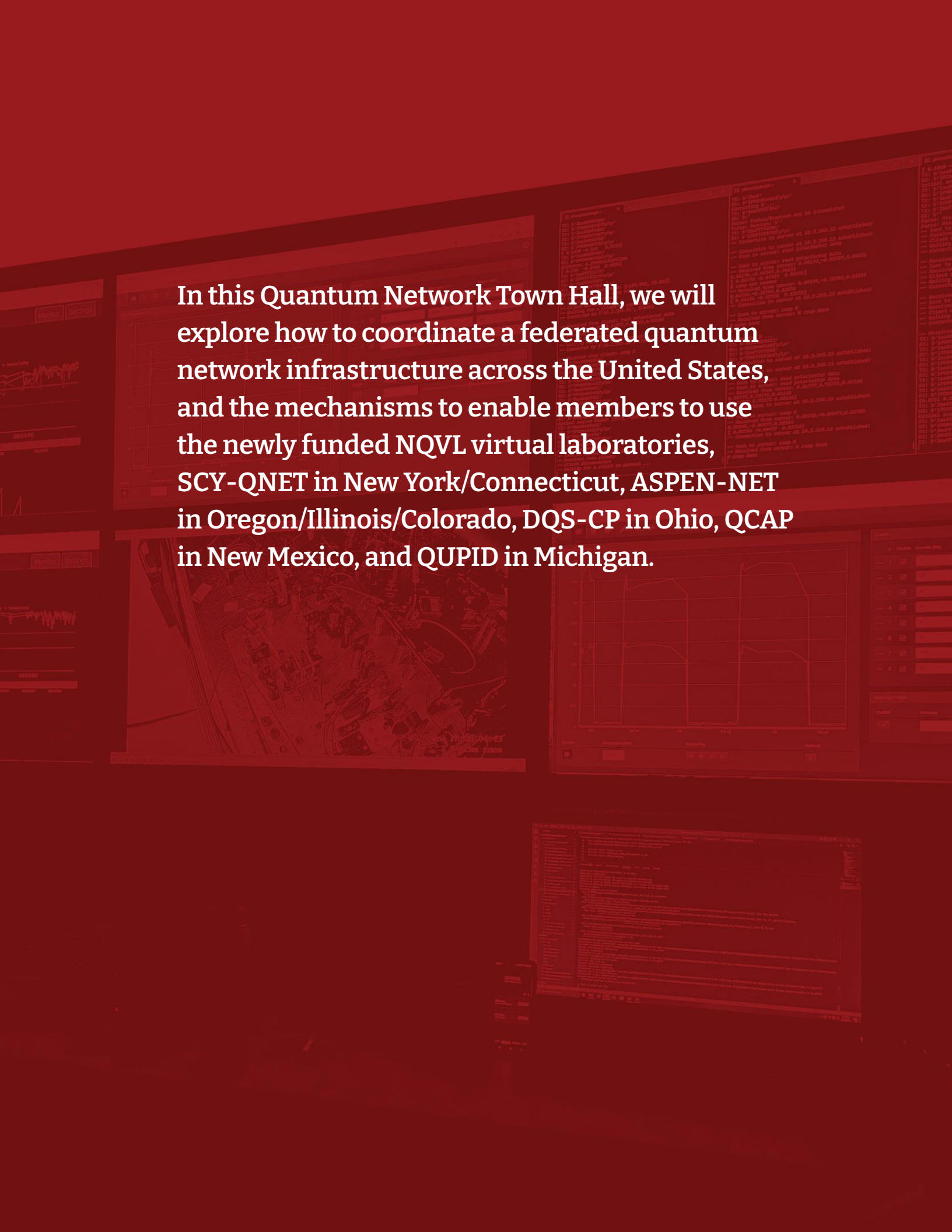

Quantum Networks Town Hall
March
5-6th
2026
NYC



In this Quantum Network Town Hall, we will explore how to coordinate a federated quantum network infrastructure across the United States, and the mechanisms to enable members to use the newly funded NQVL virtual laboratories, SCY-QNET in New York/Connecticut, ASPEN-NET in Oregon/Illinois/Colorado, DQS-CP in Ohio, QCAP in New Mexico, and QUPID in Michigan.

# ***Agenda:*** *Thursday, March 5, 2026*

| | |
|---|---|
| **8 am** | **Check-in and Breakfast** |
| **8:40 am** | **Welcome,** *Mónica Bugallo, Stony Brook University* |
| **8:45 am** | **Opening Remarks,** *Carl Lejuez, Stony Brook University* |
| | **SESSION 1: NATIONAL QUANTUM VIRTUAL LABORATORIES JOINT SECTION** |
| **9 am** | **Vision Talk: Quantum Networks Driving New Scientific Frontiers,** *Eden Figueroa, Stony Brook University; Krister Shalm, University of Colorado, Boulder/National Institute of Standards and Technology* |
| **9:30 am** | **Quantum Devices and Networks,** *Sebastian Will, Columbia University* |
| | **Quantum Devices and Networks,** *Krister Shalm, University of Colorado, Boulder/ National Institute of Standards and Technology* |
| | **Quantum Applications,** *Himanshu Gupta, Stony Brook University* |
| | **Quantum Applications,** *Paul Kwiat, University of Illinois at Urbana-Champaign* |
| | **Quantum Sensing for Network Monitoring,** *Ezekiel Johnston-Halperin, The Ohio State University* |
| | **Optical Quantum Computing,** *Marek Osinski, University of New Mexico* |
| **11 am** | **Break and Refreshments** |
| | **SESSION 2: QUANTUM NETWORK SYSTEMS AND NEW SCIENTIFIC FRONTIERS** |
| **11:20 am** | **Quantum Astrometry,** *Francesca Sansavini, University of Oregon* |
| | **Quantum Astrometry,** *Paul Stankus, Brookhaven National Laboratory* |
| | **FSO Systems for Quantum Communication I,** *Rishikeh Gokhale, Stony Brook University; Justine Haupt, Brookhaven National Laboratory* |
| | **FSO Systems for Quantum Communication II,** *Christian Kang and Rebekah Citsay, Yale University* |
| | **FSO Systems for Quantum Communication III,** *Benjamin Kyle, Air Force Research Laboratory* |
| **1 pm** | **Lunch,** *Cafe and Global Lobby* |
| **2 pm** | **Quantum Networks for New Fundamental Measurements,** *Igor Pikovski, Stevens Institute of Technology* |
| | **Quantum Networks for Distributed Quantum Computing,** *C. R. Ramakrishnan, Stony Brook University* |
| | **Near-Term Applications of Quantum Networks for Quantum Sensing,** *Joseph Lukens, Purdue University* |
| | **SESSION 3: QUANTUM NETWORKS TOWN HALL** |
| **3 pm** | **Q&A on New Quantum Network Applications + Open Mic** |
| **4 pm** | **Break and Refreshments** |
| | **SESSION 4: SYMPOSIUM ON QUANTUM EDUCATION AND CURRICULUM DEVELOPMENT** |
| **4:20 pm** | **Quantum Education Programs,** *Markus Allgaier, University of North Dakota* |
| | **Quantum Education Programs,** *Tzu-Chieh Wei, Stony Brook University* |
| | **Quantum Education Programs,** *Jay Gupta, The Ohio State University* |
| | **New Quantum Curriculum,** *Angela Kelly, Stony Brook University* |
| | **Quantum Education Programs,** *Mary Rice, University of New Mexico* |
| | **Quantum Education Programs at QuSTEAM,** *Shawnta Jackson, QuSTEAM* |
| | **Quantum Education Programs,** *Parag Deotare, University of Michigan* |
| **7 pm** | **Dinner at Cellini Restaurant, 65 East 54th Street,NYC** |

# ***Agenda:*** *Friday, March 6, 2026*

| | |
|---|---|
| **8 am** | **Check-in and Breakfast** |
| **8:30 am** | **Opening Remarks,** *Shadi Sandvik, The State University of New York* |
| | **SESSION 5: INTERSTATE QUANTUM NETWORK SYMPOSIUM** |
| **8:40 am** | **Vision Talk: An Interstate Quantum Network** |
| | *Eden Figueroa, Stony Brook University; Dimitrios Katramatos, Brookhaven National Laboratory; Ronald Reano, The Ohio State University; Mickey Slimp, Great Plains Network* |
| **9 am** | **Review of East Coast Fiber Infrastructure** |
| | *Todd Glanton, NYSERNET* — *Mickey Slimp, Great Plains Network* |
| | *Mark Fullmer, OARnet* — *Christian Todorov, Internet2* |
| | *Ken Miller, KeystoneREN* — *Forough Ghahramani, NJEdge* |
| | *Daniel Jones, U.S. Army Research Laboratory* |
| **11 am** | **Break and Refreshments** |
| **11:20 am** | **SUNY Quantum Internet of Things,** *Chase Wallace, Stony Brook University* |
| | **Quantum Network ESnet,** *Wenji Wu, ESnet* |
| | **Urbana Quantum Network,** *Paul Kwiat, University of Illinois at Urbana-Champaign* |
| | **NQVL QUPID,** *Mack Kira, University of Michigan* |
| **1 pm** | **Lunch,** *Cafe and Global Lobby* |
| **2 pm** | **GothamQ Network NYC,** *Alexander Craddock, Qunnect Inc.* |
| | **Ohio Quantum Network,** *Ronald Reano, The Ohio State University* |
| | **DC-QNet,** *Oliver Slattery and Yicheng Shi, National Institute of Standards and Technology* |
| | **Quantum Network Standards,** *Ya-Shian Li-Baboud, National Institute of Standards and Technology* |
| | **SESSION 6: QUANTUM NETWORKS PANEL AND TOWN HALL II: THE PATH TOWARD A US QUANTUM INTERNET** |
| **3:20 pm** | **Panelists:** |
| | *Kika Barr, WiscNet; P. Kevin Bohan, LinkOregon; Pierrette Dagg, MERIT Network; James H. Dickerson, ASTM International; Jennifer Griffin, The Quilt; Chris Griffin, Florida LambdaRail LLC* |
| **4 pm** | **Break and Refreshments** |
| | **SESSION 7: QUANTUM NETWORKS RESEARCH IN INDUSTRY** |
| **4:20 pm** | **Quantum Networks for Industry,** *Lior Shani, Qblox* |
| | **Quantum Networks for Industry,** *Jason White, Quantum Foundry* |
| | **Quantum Networks Hardware,** *Hsuan-Hao Lu, Qunnect, Inc.* |
| | **Commercial Entanglement Sources,** *Siamak Dadras, Toptica Photonics* |
| | **Quantum Networks for Industry,** *Arun Jagannathan, IONQ, Inc.* |
| | **Quantum Simulators for Quantum Networks,** *Michael Cubeddu, Aliro Quantum* |
| | **Quantum Networks for Industry,** *Rain K.C. Wang, The Boeing Company* |
| **6:30 pm** | **Closing Remarks** |

# Welcome

**Monica Bugallo**
Interim Vice President for Research and Innovation,
Stony Brook University

# Opening Remarks

**Carl Lejuez**
Executive Vice President and Provost,
Stony Brook University

# **SESSION 1:** NATIONAL QUANTUM VIRTUAL LABORATORIES JOINT SECTION

In this Session, we will hear from several teams building the NSF National Virtual Quantum Laboratories (NQVLs) across the United States. We will hear their plans to build their new quantum infrastructure and their envisioned applications.

Vision: Quantum Networks Driving New Scientific Frontiers

**Eden Figueroa,**
Stony Brook University

**Krister Shalm,**
University of Colorado, Boulder/National Institute of Standards and Technology

**Sebastian Will**, Columbia University,
Quantum Devices and Networks

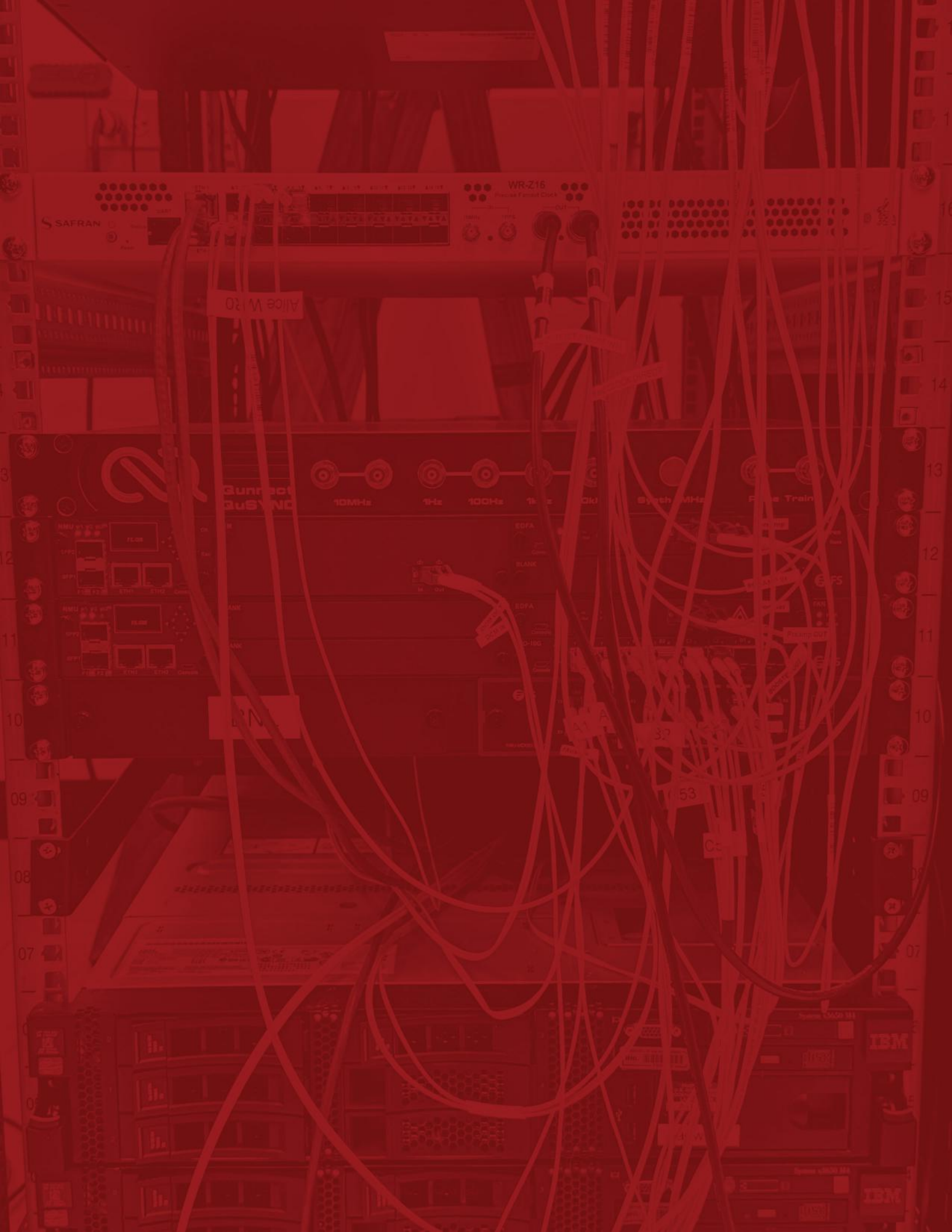
**Krister Shalm**, University of Colorado, Boulder,
National Institute of Standards and Technology,
Quantum Devices and Networks

**Himanshu Gupta**, Stony Brook University,
Quantum Applications

**Paul Kwiat**, University of Illinois at Urbana-Champaign,
Quantum Applications

**Ezekiel Johnston-Halperin**, The Ohio State University,
Sensing for Network Monitoring

**Marek Osinski,** University of New Mexico,
Optical Quantum Computing


SAFRAN
WR-Z16
10MHz
1Hz
100Hz
EDFA
EDFA
IBM
IBM

# **SESSION 2:** QUANTUM NETWORK SYSTEMS AND NEW SCIENTIFIC FRONTIERS

In this session we will explore new applications of quantum networks, including free-space quantum communication channels, and new scientific applications of quantum networks, in astrometry and fundamental physics.

**Francesca Sansavini**, University of Oregon,
Quantum Astrometry

**Paul Stankus**, Brookhaven National Laboratory,
Quantum Astrometry

**Rishikeh Gokhale**, Stony Brook University,
**Justine Haupt**, Brookhaven National Laboratory,
FSO Systems for Quantum Communication I

**Christian Kang**, Yale University,
**Rebekah Citsay**, Yale University,
FSO Systems for Quantum Communication II

**Benjamin Kyle**, Air Force Research Laboratory,
FSO Systems for Quantum Communication III

**Igor Pikovski**, Stevens Institute of Technology,
Quantum Networks for New Fundamental Measurements

**C. R. Ramakrishnan**, Stony Brook University,
Quantum Networks for Distributed Quantum Computing

**Joseph Lukens**, Purdue University,
Near-Term Applications of Quantum Networks for Quantum Sensing

# **SESSION 3:** QUANTUM NETWORKS TOWN HALL 3 pm Q&A on New Quantum Network Applications + Open Mic

In this open mic session, we will discuss the novel applications of quantum networks, from cybersecurity to novel networking architectures, to scientific applications and distributed quantum processing.


# **SESSION 4:** SYMPOSIUM ON QUANTUM EDUCATION AND CURRICULUM DEVELOPMENT

As we build the new NQVL quantum technology testbeds, we should also design new quantum education mechanisms to create a quantum work force. In this session we will explore the different quantum education initiatives that the different NQVL teams are pursuing.

**Markus Allgaier**, University of North Dakota,
Quantum Education Programs

**Tzu-Chieh Wei**, Stony Brook University,
Quantum Education Programs

**Jay Gupta**, The Ohio State University,
Quantum Education Programs

**Angela Kelly**, Stony Brook University,
New Quantum Curriculum

**Mary Rice**, University of New Mexico,
Quantum Education Programs

**Shawnta Jackson**, QuSteam,
Quantum Education Programs at QuSteam

**Parag Deotare**, University of Michigan,
Quantum Education Programs

# DAY 2

Day Two, we will identify the methods and the strategy to deliver an interstate quantum network, accessible to the entire US quantum community.

Opening Remarks:
**F. Shadi Sandvik**, Senior Vice Chancellor for Research, Innovation & Economic Development,
The State University of New York

# **SESSION 5:** INTERSTATE QUANTUM NETWORK SYMPOSIUM

In this session we will explore how to create a US quantum network consortium where different networking communities contribute to the design and implementation of a US-wide quantum internet. We will hear from the leaders of the scientific networking community and the current status of the different quantum network testbeds in the US.

**Vision Talk: An Interstate Quantum Network**

**Eden Figueroa**, Stony Brook University

**Dimitrios Katramatos**, Brookhaven National Laboratory

**Ronald Reano**, The Ohio State University;

**Mickey Slimp**, Great Plains Network

**Review of East Coast Fiber Infrastructure**

**Todd Glanton**, NYSERNET

**Mark Fullmer**, OARnet

**Ken Miller**, KeystoneREN

**Forough Ghahramani**, NJEdge

**Christian Todorov**, Internet2

**Daniel Jones**, U.S. Army Research Laboratory

**Mickey Slimp**, Great Plains Network

# **SESSION 5** (continued)

**Chase Wallac**e, Stony Brook University,
SUNY Quantum Internet of Things

**Wenji Wu**, ESnet,
Quantum Network ESnet,

**Paul Kwiat**, University of Illinois at Urbana-Champaign,
Urbana Quantum Network

**Mack Kira,** University of Michigan, NQVL QUPID

**Alexander Craddock**, Qunnect Inc,
GothamQ Network NYC,

**Ronald Reano**, The Ohio State University,
Ohio Quantum Network

**Oliver Slattery**, National Institute of Standards and Technology
**Yicheng Shi**, National Institute of Standards and Technology,
DC-QNet

**Ya-Shian Li-Baboud**, National Institute of Standards and Technology,
Quantum Network Standards

# **SESSION 6:** QUANTUM NETWORKS PANEL AND TOWN HALL II: THE PATH TOWARD A US QUANTUM INTERNET

In this open mic session we will discuss how scientific network operators can prepare their networks by establishing quantum-enabled systems and eventually full fledged quantum network technology.

Panelists:

**Kika Barr**, WiscNet

**P. Kevin Bohan**, LinkOregon

**Pierrette Dagg**, MERIT Network;

**James H. Dickerson**, ASTM International

**Jennifer Griffin**, The Quilt

**Chris Griffin**, Florida LambdaRail LLC

# **SESSION 7:** QUANTUM NETWORKS RESEARCH IN INDUSTRY

In this session we will look at the industry's participation in the development of quantum networks, from the development of quantum communication hardware to the control algorithms and simulations of large quantum networks.

**Lior Shani**, Qblox,
Quantum Networks for Industry

**Hsuan-Hao Lu**, Qunnect, Inc,
Quantum Networks Hardware

**Siamak Dadras**, Toptica Photonics,
Commercial Entanglement Sources

**Arun Jagannathan**, IONQ, Inc.,
Quantum Networks for Industry

**Michael Cubeddu**, Aliro Quantum,
Quantum Simulators for Quantum Networks,

**Rain K.C. Wang**, The Boeing Company,
Quantum Networks for Industry

**Jason White**, Quantum Foundry,
Quantum Networks for Industry

The organizing committee thanks the National Science Foundation and the Stony Brook Center for Distributed Quantum Processing for sponsoring the event. We also thank the Stony Brook Office of Proposal Development for organizing the logistics of the event. Special thanks to Dr. Sonali Gera for putting together the final version of the program.