# OPTICA

## Incubator on Quantum Network Systems Research
### 03 - 05 December 2025

**Hosted by:**

Dan Kilper, CONNECT, Trinity College Dublin, Ireland
Inder Monga, Lawrence Berkeley National Laboratory, USA
Anuj Agrawal, CONNECT, Trinity College Dublin, Ireland
Wenji Wu, ESnet, USA

## Wednesday, 03 December 2025

**Afternoon**    **Attendees arrive in DC and check into hotel**

**18:00**    **Welcome Dinner**

## Thursday, 04 December 2025

**08:00**    **Breakfast at Optica Headquarters**
              2010 Massachusetts Ave NW

**08:30**    **Welcome Remarks from Optica**

**08:45**    **Program Overview & Goals**
              Dan Kilper, CONNECT

**09:00**    **Keynote Talk**
              Saikat Guha (University of Maryland)

**09:30**    **Ongoing Testbed Efforts Panel Discussion**
              Piotr Ridlickowski (EuroQCI/Poland)
              Joaquin Chung (Argonne National Lab)
              Shota Nagayama (Japan Moonshot quantum networking program)
              Eden Figueroa (Stonybrook)
              Chao Li (Boston)
              Tom Gerrits (NIST Gaithersburg)

**11:00**    **Coffee Break**

**11:15 EST**   **Lightning Talks:  Optical Networking for Entanglement**
Rui Wang (Bristol)
Ashlesha Patil (PsiQuantum)
Mihir Bhaskar (ionQ)

**11:30 EST**   **Lightning Talks:  Entanglement Generation**
Mehdi Namazi (Qunnect, SPDC)
Sainath Motlakunta (ionQ)
Nathan Gemelke, Quera

**11:45 EST**   **Breakout Groups**

**13:00 EST**   **Lunch**

**14:00 EST**   **Lightning Talks:  Quantum Network Control & Layers**
Angela Sara Cacciapuoti (Univ Naples)
Marco Ruffini (TCD)
Inder Monga (LBNL)

**14:15 EST**   **Lightning Talks: Entanglement Storage & Measurement**
Stefan Krastanov (UMass)
Tasshi Dennis (NIST)

**14:30 EST**   **Breakout groups**

**15:45 EST**   **Coffee Break**

**16:15 EST**   **Systems Research: Round-table Discussions**
Eleni Diamanti, CNRS
Michela Svaluto-Moreolo (CTTC)
Pri Narang, Aliro Quantum/UCLA
Dimitris Syvridis (U. Athens)
Nicholas Peters (ORNL)
Brian Smith (U of Oregon)
Ben Walker-Pearl, (Nu Quantum)
Massimo Tornatore (Politecnico Di Milano)

**18:00 EST**   **Networking Dinner**

**Friday, 05 December 2025**

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**08:00**   **Breakfast at Optica Headquarters**
2010 Massachusetts Ave NW

**08:30**   **Readout and panel discussion**

**10:00**   **Coffee Break**

**10:30**   **Lightning Talks: System architectures**
Reza Nejabati (Cisco)
Michal Hajdusek (NII)
Nu Quantum

**10:45**      **Lightning Talks: Applications**
                    Mohageg Makan (Boeing)
                    Sophia Economu (Virginia Tech)

**11:00**      **Breakout Groups**

**12:15**      **Lunch**

**13:15**      **Roundtable Discussion: Systems Research Methodologies & Best Practices**
                    Jinyi Durairajan, CQT Singapore
                    Stefan Krastanov (UMass, storage/Memory)
                    John Jarman (Nu Quantum)

**14:00**      **Wrap-up/Discuss Next Steps**

**14:30**      **Adjourn**