

# **Workshop on Quantum Network Simulations in conjunction with the IEEE International Conference on Quantum Computing and Engineering (QCE'24)**

**Monday, September 16, 2024 - Monday, September 16, 2024**

## **Scientific Program**

Session 1 [10:00AM - 11:30AM]: Invited Talks

**Software Development in Quantum Engineering: from QuNetSim to QuReed**

Janis Nötzel, TU Munich

**Overview of NetSquid**

Guus Avis, UMass Amherst

**Overview of ReQuSim**

Julia Kunzelmann, Uni. Düsseldorf

Session 2 [1:00PM - 2:30PM]: Contributed Talks

**Evaluation of Quantum Entanglement Using SeQUeNCe via the CHSH Game**

Zizwe A. Chase, University of Illinois at Chicago

**Overview of the Aliro Simulator**

Brian Doolittle, Aliro Quantum

**Overview of QuISP**

Michal Hajdušek, Keio University

**Overview of SeQUeNCe**

Alexander Kolar, The University of Chicago

Session 3 [3:00PM - 4:30PM]: Panel Discussion

**Panelists:**

Martin Suchara, Microsoft

Ezra Kissel, ESnet QUANT-NET Testbed

Guus Avis, UMass Amherst

Julia Kunzelmann, Uni. Düsseldorf

Janis Nötzel, TU Munich