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Theoretical Physicist

Xanadu Quantum Technologies

“Photonic Quantum Computing on the Cloud”

Host: Stephen Gray

Monday, October 26, 2020

1:00 p.m.- 2:00 p.m.

BlueJeans Meeting ID 428 870 938

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Abstract:

Xanadu is the first company to make photonic quantum devices available on the cloud. In this talk, I will give a brief introduction to photonic quantum computing, focusing on the near-term platform of Gaussian boson sampling. Having set the stage, we'll explore a variety of quantum algorithms based on Gaussian boson sampling, and learn how they can be implemented using the Strawberry Fields software library. We'll then bring all concepts together with a live demo of photonic quantum computing on the cloud.