



TEXAS TECH™

Quantum Information and Computing (QIC)
Seminar

Robert Coenen (IQM Quantum Computers)

2:30 pm, Wednesday, October 23, 2024
Electrical Engineering 221

**IQM Spark: On-Premises Superconducting Quantum Computer for
Education and Research**

With a growing interest in quantum technology globally, there is an increasing need for accessing relevant physical systems for education and research. In this presentation we introduce a commercially available on-site quantum computer utilizing superconducting technology, offering insights into its fundamental hardware and software components. We show how this system can be used in education to teach quantum concepts and deepen understanding of quantum theory and quantum computing. It offers learning opportunities for future talent and contributes to technological progress. Additionally, we demonstrate its use in research.

The speaker: Robert Coenen is the VP of Business Development North America of IQM Quantum Computers. He holds a Ph.D. in Electrical Engineering from the University of British Columbia, Canada.
