PNNL's second annual Quantum Boot Camp!

When: Tuesdays and Fridays, July 5 – August 5, 3:00-4:30 pm
Where: Microsoft Teams

Agenda
Lecture 1: Introduction to Quantum Computing (Tobias Hagge) - Tuesday, July 5

Lecture 2: Quantum Circuits (Tobias Hagge) - Friday, July 8

Lecture 3: Qiskit Lab 1 (Ryan Danehy and Conner Flansburg) - Tuesday, July 12

Lecture 4: Quantum Subroutines (Carlos Ortiz Marerro) - Friday, July 15

Lecture 5: Quantum Algorithms - Hamiltonian simulation (Nathan Wiebe) - Tuesday, July 19

Lecture 6: Error Detection/correction (Tobias Hagge) - Friday, July 22

Lecture 7: Quantum Algorithms - Deutch Josza, Simons (Carlos Ortiz Marerro) - Tuesday, July 26

Lecture 8: Grover's Algorithm (Carlos Ortiz Marerro) - Friday, July 29

Lecture 9: Qiskit Lab 3 (Cameron Rutherford), Tuesday, August 2

Lecture 10: Quantum Chemistry, (Nicholas Bauman), Friday, August 5