Quantum Science & Engineering Center

Quantum Computing Seminar Series

GEORGE MASON UNIVERSITY

Suresh Nair & Tim Akers

INA Solutions

Unlocking the Potential of Quantum Machine Learning with IBM Qiskit and INA Solutions

Monday, March 6, 2023 | 12:30–1:30pm | *Johnson Center, 325, Meeting Room A|* **Zoom**

Abstract

Join INA Solutions CEO, Suresh Nair, as he shares his expertise on how IBM Qiskit has been utilized in their analysis of jet fuel for the U.S. Air Force. During the presentation, Mr. Nair will introduce a comprehensive, micro-credential certification program developed by Drs. Tim Akers and Kevin Peters at the National Quantum Literacy Network.

This program, consisting of ten modules, covers a wide range of topics such as an overview of quantum machine learning, key concepts and theories, applications, components of quantum technologies, schematics and modeling of quantum devices, terminology, comparison with traditional machine learning, visualization techniques, hands-on programming, and implementation, using mathematical equations to guide analytics, and post-training assessment.

This program is designed to provide a solid foundation in understanding how quantum machine learning and IBM Qiskit can elevate learning and equip participants with the necessary skills and knowledge to stay ahead in this rapidly advancing field. Upon completion of the program, participants will receive a micro-credential certificate in Quantum Machine Learning Literacy.

Meeting Information: https://go.gmu.edu/qcseminar

About the Seminar Series

The Quantum Computing Seminar Series are a series of working seminars organized and hosted by QSEC's quantum computing subgroup on Mondays. These events are free and open to the public. More information is available on QSEC's Computing Events and Mathematical Sciences Department's Quantum Computing Seminars. For any questions, contact qsec@gmu.edu.