



# An Introduction to Quantum and Research Applications

Presented by:  IONQ

## Agenda subject to change

### Introduction to Quantum and Research Applications

Thursday, October 3, 2024  
9:00am - 12:00pm, DMSB,  
1014 Greene St, Columbia, SC

#### 01: Quantum Computing Primer

#### 02: Quantum Computing Perspective—Technology & Workforce Development

03: Quantum Applications (e.g., traditional quantum physics, financial applications, engineering research, etc.)

“This collaboration with IonQ and the University of South Carolina is a critical step to a pathway for education in developing a quantum-smart workforce, inspiring entrepreneurship that will help attract, and settle, quantum talent and technology to South Carolina.”

– Joe Queenan, Executive Director, SC Quantum

## Information

The Faculty and Researcher Learning Series introduces university faculty and researchers across South Carolina to quantum technologies, applications, and resources. The series gives participants insights into how they can leverage existing content, begin using quantum technologies, and incorporate Quantum Information Science (QIS) into courses and curricula.

The series, which is free to attend, features experts from leading quantum companies and organizations. They share their knowledge on topics such as:

- + Quantum 101 and best practices for incorporating quantum
- + Industry insights on quantum applications
- + Technical presentations and hands-on workshops
- + Guidance on accessing quantum resources and funding opportunities

A primary session in this series, “Introduction to Quantum and Research Applications” will take place on October 3, 2024. It will be presented by IonQ and hosted by the University of South Carolina Darla Moore School of Business.

Information: [scquantum.org/events/faculty-learning-series-usc-introduction](https://scquantum.org/events/faculty-learning-series-usc-introduction).

“At South Carolina Quantum, we recognize the critical importance of empowering faculty and researchers with the information and resources required to harness quantum technologies.”

– Dave Alsobrooks, Communications Director, SC Quantum

South Carolina Quantum (SC Quantum), a 501(c)(3), was established in 2022 in Columbia, South Carolina to promote collaboration among academia, entrepreneurs, industry, and government and to propel the advancement of Quantum Information Science and Technology.

Click or scan for information:



Interested? For information, visit: [scquantum.org/events/faculty-learning-series-usc-introduction](https://scquantum.org/events/faculty-learning-series-usc-introduction)

Questions? Email [klevkoff@scquantum.org](mailto:klevkoff@scquantum.org)