

Workshop: Harnessing the Potential of Ion Trap Quantum Computers for Advanced Business Applications

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction Session

Thursday 28 November 2024 09:00 (5 minutes)

Presenter: HARIHARAN, Sriram (eQ)

Contribution ID: 2

Type: **not specified**

Introduction to the EPIQ Hybrid HPC-QC System

Thursday 28 November 2024 09:05 (25 minutes)

- Integration plans into JSC infrastructure [JSC]
- Overview of development tools to access EPIQ [JSC]
 - User access model
 - JUNIQ cloud portal
 - Client software for quantum job submission

Presenter: GONZALEZ CALAZA, Carlos Daniel (JSC)

Contribution ID: 3

Type: **not specified**

Business Impact

Thursday 28 November 2024 09:30 (20 minutes)

Explore the tangible benefits of quantum computing for your business, including performance optimization and strategic gains

Presenter: BADOUNAS, Dimitris (eQ)

Contribution ID: 4

Type: **not specified**

Overview of eleQtron Technology

Thursday 28 November 2024 09:50 (40 minutes)

- Introduction to the MAGIC concept (Microwave-based gate control).
- Development roadmap, supported gate sets, and performance goals

Presenter: JOHANNING, Michael (eQ)

Contribution ID: 5

Type: **not specified**

Real-World Use Cases

Thursday 28 November 2024 10:45 (30 minutes)

Implementation of the ADAPT-VQE on a Trapped Ion Quantum Computer

Presenter: BADOUNAS, Dimitris (eQ)

Contribution ID: 6

Type: **not specified**

Interactive Session

Thursday 28 November 2024 11:15 (30 minutes)

Share your use cases and receive feedback from experts and peers.

Contribution ID: 7

Type: **not specified**

Wrap Up

Thursday 28 November 2024 11:45 (15 minutes)

Presenter: HARIHARAN, Sriram (eQ)