

**Quantpostela: A Festa da
Computación Cuántica no
IGFAE**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Lecture 1A: Introduction to Quantum Computing Basics

Wednesday, 18 October 2023 10:10 (1 hour)

Presenter: LI, Meijian

Contribution ID: 2

Type: **not specified**

Lecture 1B: Quantum Teleportation and Entanglement

Wednesday, 18 October 2023 11:10 (1 hour)

Presenter: SANTOS, Juan

Contribution ID: 3

Type: **not specified**

Lecture 2A: Quantum Fourier Transform

Thursday, 19 October 2023 10:00 (1 hour)

This lecture is based on: <https://learn.qiskit.org/course/ch-algorithms/quantum-fourier-transform>

The slides showing the QFT on 4 qubits were done by Wenyang

Presenter: GONZALEZ, Marcos

Contribution ID: 4

Type: **not specified**

Lecture 2B: Shor's Algorithms

Thursday, 19 October 2023 11:00 (1 hour)

Presenter: DU, Xiaojian

Contribution ID: 5

Type: **not specified**

Lecture 3A: Time Evolution

Friday, 20 October 2023 10:00 (1 hour)

Presenter: LI, Meijian

Contribution ID: 6

Type: **not specified**

Lecture 3B: Variational Algorithms

Friday, 20 October 2023 11:00 (1 hour)

Presenter: QIAN, Wenyang

Contribution ID: 7

Type: **not specified**

Workshop announcement

Session Classification: Workshop announcement

Contribution ID: 9

Type: **not specified**

Qiskit Lab 1

Wednesday, 18 October 2023 14:00 (2 hours)

A personal laptop is needed. Pre-installation of Qiskit is recommended.

Google Colab link

https://colab.research.google.com/drive/1x_rNmPBINzpVRYgk4Jggy8ux_bVZAJ3C#scrollTo=5osJH0xVXPK8

Presenter: SANTOS, Juan

Contribution ID: **10**

Type: **not specified**

Qiskit Lab 2

Thursday, 19 October 2023 14:00 (2 hours)

A personal laptop is needed. Pre-installation of Qiskit is recommended.

Presenter: DU, Xiaojian

Contribution ID: 11

Type: **not specified**

Qiskit Lab 3

Friday, 20 October 2023 14:00 (2 hours)

A personal laptop is needed. Pre-installation of Qiskit is recommended.

In case of an installation issue, you can also work on this Colab notebook

<https://colab.research.google.com/drive/14Tl9wLA6vUIPs2CLSSyOmpX4svu6RLgY?usp=sharing>

Presenter: QIAN, Wenyang