Quantum Materials Hackathon

Prosperidad

Plazo: 10 Jul 2025

Tipo:	Other
Ubicación:	Geneva, Switzerland
Fecha:	11 Jul 2025 to 13 Jul 2025
Duración:	3 Days
Área del programa:	Other
Sitio web:	http://www.unitar.org/gls
Precio:	0,00 US$
Correo Electrónico del Centro de Coordinación del Evento:	pft-elearning@unitar.org
Colaboración:	Open Geneva (1800)

ANTECEDENTES

In celebration of the International Year of Quantum Science and Technology, the Open Quantum Institute (OQI) at CERN and the University of Geneva are co-organising the first Quantum Materials Hackathon, which will be hosted at CERN IdeaSquare on 11-13 July 2025.

This hackathon will explore how quantum computing could be utilised to design novel quantum materials and how these materials can contribute towards the UN-SDGs, aligning with OQI's overall mission. To achieve this, hackathon participants will be tasked with creating a practical application document, detailing how they would approach developing a quantum algorithm to design such a material. They will then begin to develop an algorithm with the potential to be refined further beyond the hackathon.

OBJETIVOS DEL EVENTO

- Upskilling/educating new talent in the field of quantum computing/materials.
- Connecting academic and industrial quantum communities with each other and with new talent.
- Embedding participants and partnering organisations within the OQI community, facilitating future collaboration with others beyond the hackathon.
- Elaborating on a roadmap for applications of quantum materials to inform future research projects across academia/industry.