# Quantum Materials Hackathon

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**⬜⬜⬜ : 10 7⬜ 2025**

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| ⬜⬜ : | | Other |
| ⬜⬜ : | | Geneva, Switzerland |
| ⬜⬜ : | | 11 7⬜ 2025 to 13 7⬜ 2025 |
| ⬜⬜ : | | 3 Days |
| ⬜⬜⬜ : | | Other |
| ⬜⬜ : | | http://www.unitar.org/gls |
| ⬜⬜ : | | US$0.00 |
| ⬜⬜⬜ email: | | pft-elearning@unitar.org |
| ⬜⬜ : | | Open Geneva (1800) |

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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.

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- 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.