



## ICFO Colloquium Series: Search for quantum applications and taking POCs to production

HELMUT KATZGRABER

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12:00 to 13:00

ICFO Auditorium

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### **Profile:**

Dr. Helmut Katzgraber earned a diploma in physics from ETH Zurich, and his master's degree and PhD in physics at the University of California Santa Cruz. After postdoc positions at the University of California Davis and ETH Zurich, he was awarded a Swiss National Science Foundation professorship. In 2009, he joined Texas A&M University as an assistant professor, and became a full professor in 2015. Katzgraber joined Microsoft as a principal research manager in 2018 before joining Amazon in 2020. He was elected Fellow of the American Physical Society in 2021 and leads the Quantum Solutions Lab at AWS.

**Abstract:**

The Amazon Quantum Solutions Lab works closely with enterprise customers to identify use cases where quantum technologies might have impact in the fault-tolerant future, but also to develop creative ways to solve complex business challenges at scale today. In this presentation, I will showcase selected customer use cases and discuss where and when quantum machines can have an impact.?

**Hosted by:** Prof. Maciej Lewenstein and Prof. Antonio Acín