



**Department of Physics, University of Trieste
In collaboration with IBM**

Hands-on Workshop by Dr. M. Grossi (IBM)

Quantum Software on Real Quantum Computers - Part 2

**Wednesday 27th November 2019,
h. 14-17 – Aula V, Edificio centrale**



Program

During the workshop we will see applications of quantum algorithms on the IBM Q platform using qiskit, with an overview and hands-on about Grover's algorithm, and Shor's algorithm. In the final part there will be an introduction on digital quantum simulations of physical system, i.e. Ising model.

Reminder: participants are invited to review the notebook presented at the first workshop. For non-experts in python, a suggested reading: <https://developer.ibm.com/articles/os-beginners-guide-python/>

Organizing Committee

A. Bassi – Department of Physics

*Participants must bring their own computer

Registration is required

To register, send an e-mail to ispagnul@units.it with subject "IBM hands-on workshop - 27 November 2019" and indicating your first and last name and affiliation.