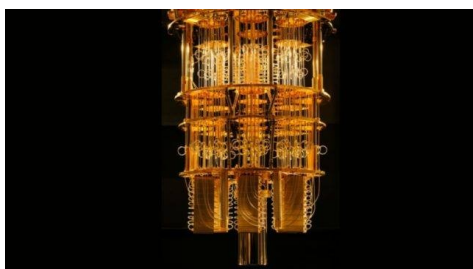




SWISS ASSOCIATION OF COMPUTATIONAL CHEMISTRY (SACC)
ASSOCIATION SUISSE DE CHIMIE COMPUTATIONNELLE (ASCC)

Spring Meeting

Quantum Computing Applications in Chemistry



Universität Zürich-Irchel, 6. February 2020

Location:

Universität Zürich, Irchel Campus
Winterthurerstrasse 190, Zürich
Lectures and Welcome at Hörsaal Y16-G-15
<https://www.plaene.uzh.ch/Y16/room/Y16-G-15>

Program:

10:00 – 10:15 Welcome/Coffee

10:15 – 16:00 Lectures

Martin Head-Gordon, UC Berkeley

Daniel Egger, IBM Zurich Research Laboratory

Philipp Schindler, University of Innsbruck

Horst Weiss/Peter Degelmann, BASF Ludwigshafen

Stefano Carretta University of Parma

Panagiotis Barkoutsos, Pauline Ollitrault, IBM Zurich Research Lab

Detailed Program will be available at

<https://www.chem.uzh.ch/en.html>



Tutorial

First Steps in Quantum Computing using Qiskit

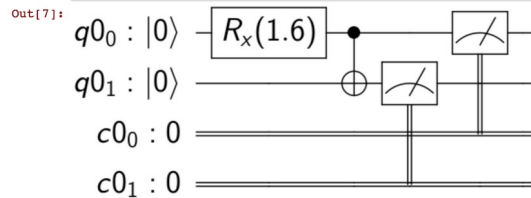


```
In [7]: from qiskit import QuantumRegister, ClassicalRegister, QuantumCircuit
        from qiskit.tools.visualization import circuit_drawer
        import numpy as np

        qr = QuantumRegister(2)
        cr = ClassicalRegister(2)
        qc = QuantumCircuit(qr, cr)

        qc.rx(np.pi/2, qr[0])
        qc.cx(qr[0], qr[1])
        qc.measure(qr, cr)

        circuit_drawer(qc)
```



University of Zürich-Irchel

7. February 2020

10:00 – 16:00

Registration: hutter@chem.uzh.ch