



## Colloquium

# The Institute Colloquium: Update on the solid state quantum computer

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Host:

I will begin with a quick personal review of the steady progress that has brought us to our present state in superconductor and semiconductor quantum processors. Progress towards a large system seems perfectly possible, but it will require looking outside the functioning of the qubits themselves, to address myriad potential problems of making the whole system function together. I will discuss two recent themes of my work, first in the area of detailed electromagnetic modeling of qubit-cavity systems, and next in the area of potential improvements to the microwave circulator, a ubiquitous component needed in signal-handling in the quantum computer.

**Monday, April 4, 2016 12:45pm - 01:45pm**

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.