Thursday, May 3: Reading Day

Thursday, May 3: Thesis Defense: Diversity and Evolution of Ecosystems: from Genomes to the Biosphere; Chi Xue; 10:00 am in 276 Loomis

Thursday, May 3: Thesis Defense: Power-law liquid in high-temperature superconductors; Zhidong Leong; 11:00 am in 3110 ESB


Friday May 4-Friday May 11: Finals Week

Saturday, May 5: Cosmic Journeys, Quantum Voyages: PHYS 498-ART: Where the Arts Meet Physics; 10:00 am at the Urbana Champaign Independent Media Center in Urbana

Job Opportunity

Center for Quantum Devices at the Niels Bohr Institute

A postdoctoral position is available to control silicon-based spin qubits. This project extends our recent work on fully-depleted silicon-on-insulator structures developed within an enthusiastic international collaboration (MOS-QUITO project funded på EU Horizon 2020). Work will be performed within a small team in the measurement facilities of our center, and focus on the characterization and operation of FDSOI spin-qubit circuits fabricated by our partners at VTT and CEA-LETI. The candidate should have a PhD in experimental physics or related disciplines, extensive experience in cryogenic transport measurements, and ideally familiarity with quantum-dot based qubits and high-frequency equipment.

The postdoc’s duties will include research within the implementation of coherent control, as well as aspects of design and teaching. The post may also include performance of other duties.

Inquiries about the position can be made to main supervisor Ferdinand Kuemmeth (kuemmeth@nbi.dk).

The position is open from 1 July 2018 or as soon as possible thereafter. The position is for 1 year with the possibility for extension.

Deadline to apply is May 31, 2018. More information can be found here: http://jobportal.ku.dk/videnskabelige-stillinger/?show=147136
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Thursday, May 3; Thesis Defense: Fluctuations and Response in Complex Biological Systems: Watching Stochastic Evolutionary and Ecological Pattern Dynamics; K. Michael Martini; 3:00 pm in 222 Loomis

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**Thesis Defense**

**Title:** "Intertwined symmetry and topology in $3+1$ dimensional gapped quantum phases of matter"

**Speaker:** Apoorv Tiwari

**Date:** Monday, April 30

**Time/Location:** 3:00 pm / 464 Loomis

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**Visitors:**
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Visitors:
**Cosmic Journeys, Quantum Voyages:** PHYS 498-ART: Where the Arts Meet Physics

**Date:** Saturday, May 5

**Time:** 10:30 am at the Independent Media Center*

Melodic journeys through space; dancing with quantum superfluids; encountering black holes, red giants and galaxies; rapping with radioactive atoms. Participants of Phys498-ART: Where the Arts meet Physics in collaboration with the Quantum Voyages performance piece team explore themes of the cosmos and quantum world through multimedia art, including paintings, installations, and short performances.

*The Urbana-Champaign Independent Media Center is located in the historic Post Office building in the heart of downtown Urbana.*