

CALENDAR OF EVENTS <http://physics.illinois.edu/bluesheet.asp>

Monday, May 1, : ICMT Seminar: “Diffusion and Chaos in Holographic Quantum Matter” Michael Blake, MIT; 12:00 pm in 190 ESB

Thursday , May 4, : Reading Day

Friday, May 5, : Finals Begin!

QTC2017 Conference

The QTC 2017 conference will be organized August 5-8, 2017 in Espoo, Finland. It is the official satellite of the 28th International Conference on Low Temperature Physics, LT28, <http://www.lt28.se>, and is endorsed by the IUPAP.

QTC 2017 brings together experts working on topics involving quantum effects in electron transport, superconducting qubits and hybrid circuits, quantum thermodynamics, circuit QED, cavity optomechanics, topological and 2D materials.

VENUE

The venue is Hanasaari Swedish-Finnish Cultural Centre <http://www.hanaholmen.fi/en/>, located adjacent to the capital city Helsinki, and conveniently accessible from city centre. The venue is in the immediate vicinity of Aalto University Otaniemi campus in Espoo, in the midst of the largest innovation hub in the nordic countries.

IMPORTANT DATES

Registration & Abstract submission now open

April 30 Abstract submission deadline

May 31 Early bird registration deadline

PLENARY SPEAKERS

Michel Devoret

Konrad Lehnert

Franck Balestro

Matthias Steffen

Jason Petta

Mauro Paternostro

Karyn Le Hur

Local Organizing Committee at Aalto University

Conference chair prof. Mika Sillanpää mika.sillanpaa@aalto.fi

Conference Secretariat qtc2017@aalto.fi

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ICMT Seminar

"Diffusion and Chaos in Holographic Quantum Matter"

Speaker: Michael Blake, MIT

Date: Monday, May 1

Time/Location: 12:00 pm / 190 ESB

Abstract: In this talk I will discuss recent developments that have suggested new connections between the transport properties of strongly interacting matter and the field of quantum chaos. In particular I will describe how in many holographic theories there are simple relationships between the thermoelectric diffusion constants and the butterfly velocity, which describes the speed at which quantum chaos propagates.

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Towards Room Temperature Superconductivity: Superhydrides and More

May 8-9, 2017

Chapman University is honored to host the 2nd Annual International Workshop, Towards Room Temperature Superconductivity: SUPERHYDRIDES and MORE, arranged to assemble in Orange, California from May 8—9, 2017.

The widespread enthusiasm overflowing from the success of last May’s workshop behooves us to band together again next year. To help foster the spirit of progress produced in Rome, we’re preparing another workshop for a global array of members of the scientific community at Chapman campus for the next installment of in depth discourse. Cooperative contributions from all scientific fields in the search for superconductivity at room temperature and ambient pressure are not only encouraged, but are essential for future discovery.

To commemorate the centennial of Professor Vitaly Ginzburg, the Institute for Quantum Studies dedicates this colloquium in recognition of his work, and influence as a leading proponent in room temperature superconductivity.

We plan to preserve the tradition of diverse participation and dissemination by accommodating attendees with free admission. However, to maintain safety and security for all guests, registration is mandatory and access will be restricted only to registered participants.

To register, please visit:

<https://www.regonline.com/Register/Checkin.aspx?EventId=1858555>

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Workshop on Synergy and Innovation in Quantum Materials Conference June 12-14th, 2017

The University of California, Berkeley invites you to the "Workshop on Synergy and Innovation in Quantum Materials", which has been made possible by the support of the Moore Foundation's EPIQS program. The purpose of this workshop is to discuss key challenges in theory and experiment in Quantum Materials with a focus on the following topics: Topological Quantum Materials, Quantum Spin Liquids and Unconventional Superconductivity. This workshop will be held at the University of California, Berkeley from June 12 – 14th, 2017.

Registration

Please encourage your students and postdocs to attend. The registration is **free** and we will provide breakfast and lunch. However, you will have to make arrangements for your own travel and accommodation. We have a total of 60 spots but they're filling up fast!

To register, please visit:

<http://research.physics.berkeley.edu/analytis/?event=workshop>



Institute for

CONDENSED MATTER THEORY

Physics in Engineering & LAS at Illinois

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