

**COST Action MP1209 “Thermodynamics in the Quantum Regime” Newsletter
Friday 2nd May 2014**

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Forthcoming Events

Working Group Meeting : The next working group meetings are being organized by Mauro Paternostro & the Quantum Technology Group at Queen’s University, Belfast UK. The confirmed dates are August 18th – August 20th 2014. Please make a note in your diary and watch this space for further information of the arrangements, registration etc.

EPS Conference: This year's EPS conference "Condensed Matter in Paris 2014" (24-29 August) will have a special session (mini-colloquium 15) entitled "Nanomaterials : Thermal transport and thermodynamics in nanostructures" The conference will include talks from Jukka Pekola, Udo Seifert, Olivier Bourgeois, Benjamin Huard, and others. More information can be found at:

<http://cmd25jmc14.sciencesconf.org/resource/page/id/13>

DEADLINE for oral and poster contributions: 1 April.

Training School - “Physics of Small Quantum Systems: Thermal and Topological Phenomena” is being organized by Tero Heikkilä and will be held from 12-16 January 2015 in Gustavelund, Tuusula, Finland.

It is intended to be a graduate training school for physicists working on topological properties, and nonequilibrium and thermodynamic phenomena in small condensed-matter systems. Topics will include: Quantum thermodynamics, (circuit) optomechanics, topological superconductors, thermal effects in ultracold atom systems, and fast (radio frequency) measurements, including connections between these topics.

Please make a note in your diary and watch this space for further information on the arrangements, registration etc.

Galilee Workshop

The Sea of Galilee workshop on “Thermodynamics of Quantum Devices” was held between 31st Mar – 3rd April. The workshop was very helpful with 25 participants discussing the developments related to the thermodynamics of quantum devices.

The scientific report for this workshop will shortly be placed on the website.

We would like to thank the Scientific & Organizing Committee of Amikam Levy and Ronnie Kosloff for their excellent organization of this beneficial workshop.

STSMs

STSM Call 4 closed on March 26th and resulted in 5 STSMs being granted.

The details for Call 5 have been placed on the website – the call opens on 21st May and closed on 5th June. <http://qut.ethz.ch/index.php/stsm>

Outreach

In order to fulfill our outreach objectives, we’re hoping to take some relevant experiments to science fairs around Europe.

If you know of a science fair event in your country, please could contact the Project Administrator (Marion) – costmp1209@gmail.com.

Publications

At the end of the network year we will circulate a list of quantum thermodynamics related research papers that network members have published this year.

Please email me details of your papers for inclusion in this list, using the format:

Papers that acknowledge Cost MP1209 network support

- Title of Paper
- Authors
- Journal Name
- Journal Reference (eg year, volume, page etc)

Relevant Papers that do not acknowledge Cost MP1209 network support

- Title of Paper
- Authors
- Journal Name
- Journal Reference (eg year, volume, page etc)

New Network Members

3 individual researchers have joined the network.

Administrative Information

Please send any items for inclusion in the next newsletter to Marion Baxter-Sibley (costmp1209@gmail.com).