

**COST Action MP1209 "Thermodynamics in the Quantum Regime" Newsletter
Friday 28th March 2014**

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Forthcoming Events

Galilee Workshop on Thermodynamics of Quantum Devices

A small COST MP1209 workshop will be held between 31 March – April 3rd 2014 - <http://www.fh.huji.ac.il/conferences/seaofgalilee/index.php>. At the moment there are no spaces available.

99 years of Black Holes - from Astronomy to Quantum Gravity: Another COST network, MP0905 is advertising this conference at the Steigenberger Hotel Sanssouci in Potsdam, May 20-22, 2014.

This conference shall bring together the Black Hole community (from Quantum to supermassive) as well as the Gravitational Wave Community. The main topics of the conference will cluster around Black Holes, Gravitational Waves and the Future of General Relativity and Quantum Physics. The goal of the meeting is to bring together experts from these communities, and share with each other the latest developments and open issues in their respective field.

Please register your participation and oral contribution (by March 30, 2014) at: www3.mpifr-bonn.mpg.de/div/meetings/potsdam/
Please find out more about this European funded effort at: <http://www3.mpifr-bonn.mpg.de/div/vlbi/COST/>

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.

Year 2 Confirmed Working Group Meeting

The first event of the network's second year will be a Working Group meeting organized by Mauro Paternostro in 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.

Year 2 Confirmed Training School

The network's first 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.

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).