

## COST Action MP1209 “Thermodynamics in the Quantum Regime” Newsletter Thursday 5<sup>th</sup> June 2014

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### End of Network Year – Information Required - Deadline 11<sup>th</sup> June

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The Network Year ended on 31<sup>st</sup> May & we need to provide reports to the COST Office summarizing the results of the Action. This helps us justify our budget for future network years.

To make it as simple as possible for everyone we have created a quick & easy questionnaire that *every network member* needs to fill in & return. To enable us to meet our reporting deadlines *the deadline for this is 9am GMT 11<sup>th</sup> June*.

[https://docs.google.com/forms/d/1M4kgGXFhHFgRlx9Uu3gOqVSf9VfLooZTVgLARA34LXI/viewform?usp=send\\_form](https://docs.google.com/forms/d/1M4kgGXFhHFgRlx9Uu3gOqVSf9VfLooZTVgLARA34LXI/viewform?usp=send_form)

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### Forthcoming Events

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**COST MP1209 Working Group Meeting:** The third working group meetings for all 3 working groups are being organized by Mauro Paternostro & the Quantum Technology Group between August 18<sup>th</sup> – August 20<sup>th</sup> at Queen’s University, Belfast UK. The Chair of the Programme Committee is Vlatko Vedral.

The meeting will address the blossoming field of quantum thermodynamics, focusing on the themes addressed by the three working groups of the Action.

The meeting website <http://web.am.qub.ac.uk/wp/belfastmp1209/> is now live and contains full information on the meeting and registration process. Please visit the website to register <http://web.am.qub.ac.uk/wp/belfastmp1209/registration-2/> for this meeting.

**COST MP1209 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.

**EPS Conference:** This year's European Physical Sciences 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 Olivier Bourgeois, Benjamin Huard, Jukka Pekola, Udo Seifert, and others. More information can be found at: <http://cmd25jmc14.sciencesconf.org/resource/page/id/13>

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### **New Network Members**

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2 individual researchers have joined the network.

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### **Administrative Information**

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