

**COST Action MP1209 "Thermodynamics in the Quantum Regime" Newsletter**  
**Friday 11<sup>th</sup> July 2014**

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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 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. The meeting website <https://www.jyu.fi/fysiikka/en/qutschool2015> is now live, registration is expected to open in August.

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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**STSM Update**

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7 STSMs were awarded as a result of the first call.

The next STSM call dates are:

**Call 6**

Open: 1 September 2014

Close: 17 September 2014

Earliest Start: 13 October 2014

Latest Date: 1 May 2014

Final Decision: 1 October 2014

Applicants notified of decision: 2/3 October 2014

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**New Network Members**

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5 individual researchers have joined the network.

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**Administrative Information**

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Please be aware that I will be on annual leave from 12<sup>th</sup> July – 30<sup>th</sup> July inclusive. If you have an urgent query, please email it to me as usual but copy Janet Anders, MC Chair ([j.anders@exeter.ac.uk](mailto:j.anders@exeter.ac.uk)) who may be able to respond in my absence.

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

Kind regards,

Marion