

COST Action MP1209 “Thermodynamics in the Quantum Regime” Newsletter Friday 12th September 2014

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3rd Working Group Meetings

COST MP1209 Working Group Meeting:

The third working group meetings for all 3 working groups were held in Belfast, UK between August 18th – August 20th.

The meetings were organized by Mauro Paternostro & the Quantum Technology Group at Queen’s University, Belfast UK. They were very successful with 58 participants, 27 of whom have been supported by COST.

The meeting addressed the blossoming field of quantum thermodynamics, focusing on the themes addressed by the three working groups of the Action. Abstracts can be downloaded here - <http://web.am.qub.ac.uk/wp/belfastmp1209/program/>.

We thank the local organisers from the Quantum Technology Group at Queen’s University, Belfast, in particular Mauro Paternostro, Gabriele de Chiara and Alessandro Ferraro of the Local Organising Committee and also the programme committee, chaired by Vlatko Vedral, for putting together this inspiring event.

Forthcoming Events

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 is <https://www.jyu.fi/fysiikka/en/qutschool2015> and registration is open.

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.

STSM Update

STSM call 6 is currently open and closes on 17 September 2014. Please see the website for more details - <http://qut.ethz.ch/index.php/stsm>.

New Network Members

10 individual researchers have joined the network.

New Member Countries

Romania, Hungary and Sweden have all become members of Action MP1209.

Website

The Action website - <http://qut.ethz.ch/> - has been updated.

Previous newsletters (<http://qut.ethz.ch/index.php/resources/newsletters>) and Scientific Reports (<http://qut.ethz.ch/index.php/resources/meeting-reports>) from meetings can now be accessed from the website.

Members' information has moved to a separate page and information on Working Group membership is displayed. ***Please check your details on the website & let me know if any details need changing.***

Administrative Information

Please send any items for inclusion in the next newsletter to me - costmp1209@gmail.com.

Kind regards,

Marion