

**COST Action MP1209 “Thermodynamics in the Quantum Regime” Newsletter
Friday 19th December 2014**

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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> - **registration has now closed.**

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.

COSTMP1209 – The Second Quantum Thermodynamics Conference is being organised by Roberta Zambrini and will be held from 19-24 April 2015 in Palma de Mallorca, Spain, hosted by the Institute of Cross-Disciplinary Physics and Complex Systems [IFISC](#), a joint research Institute of the University of Balearic Islands [UIB](#) and the Spanish National Research Council [CSIC](#). **The meeting website is now available -** <http://ifisc.uib-csic.es/qtd2/>

The 2nd Quantum Thermodynamics Conference is meant to be a reference for researchers working in thermodynamics in the quantum regime, in connection with quantum information theory and statistical physics. Two keynote (Martin Plenio and Peter Talkner), several invited and contributed talks as well as a poster section are scheduled, promoting young scientists. The conference also includes discussion time and Working Group meetings.

The deadline for abstract submission has been extended to 24:00GMT 19th Dec 2014.

Workshop on Quantum Information and Thermodynamics

23-27 February 2015, Sao Paulo, Brazil
<http://wqit-quantum.if.ufg.br/>

Workshop on Thermodynamics and Nonlinear Dynamics in the Information Age
13-17 July 2015, Telluride, USA
<https://www.telluridescience.org/meetings/workshop-details?wid=548>

COSTMP1209 – Third Quantum Thermodynamics Conference "Quantum Thermodynamics, Quantum Information"

11-16 October 2015, Porquerolles, France

The meeting website will be available soon.

Job Vacancies

A new vacancy is being advertised on our website - <http://qut.ethz.ch/> for a Junior Professor at Osnabrück University. Applicants should either speak German or be prepared to learn. Details of the vacancy can be found here: http://www.uni-osnabrueck.de/universitaet/arbeiten_an_der_universitaet/stellenangebote/148_fb_4_juniorprofessur.html

New Members

5 new members have joined the network since the last newsletter.

Administrative Information

Please note that I will be finishing today for the Christmas break, returning on Thursday 8th January 2015.

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

Kind regards,

Marion