

Frontiers of Quantum and Mesoscopic Thermodynamics

29 July - 3 August 2013, Prague, Czech Republic

<http://fqmt.fzu.cz/13/>

Under the auspices of

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President of the Czech Republic

Prof. Ing. Jiří Drahoš, DrSc., dr. h. c.
President of the Academy of Sciences of the Czech Republic

Milan Štěch
President of the Senate of the Parliament of the Czech Republic

Dominik Cardinal Duka OP
Archbishop of Prague



View of Prague (1493, from Liber cronicarum by H. Schedel)

Woodcut by M. Wolgemut and W. Pleydenwurff

Topics

Foundations of quantum physics
Non-equilibrium statistical physics
Quantum thermodynamics
Quantum measurement, entanglement and coherence
Dissipation, dephasing, noise and decoherence
Quantum optics

Macroscopic quantum behavior
Cold atoms, Bose-Einstein condensates
Physics of quantum computing and information
Mesoscopic, nano-electromechanical and nano-optical systems
Biological systems, molecular motors
Cosmology, gravitation and astrophysics

Public lectures

Serge Haroche (Paris)

Pavel Kroupa (Bonn)

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