

# Frontiers of Quantum and Mesoscopic Thermodynamics

28 July - 2 August 2008, Prague, Czech Republic

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Satellite of the 22nd General Conference of the EPS Condensed Matter Division 25 - 29 August 2008, Rome



View of Prague (1635) - Matthäus Merian (1593-1650)

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(Princeton, College Station)  
Anton Zeilinger (Vienna)  
Peter Zoller (Innsbruck)

## Topics

Foundations of quantum physics  
Physics of quantum measurement  
Theory of quantum dissipation, dephasing and decoherence  
Quantum optics, physics of quantum computing  
Non-equilibrium quantum statistical physics and quantum thermodynamics  
Macroscopic quantum behavior, Bose-Einstein condensates  
Mesoscopic and nano-electromechanical systems  
Spin systems and their dynamics  
Brownian motion, molecular motors and biological systems

## Public Evening Lecturers

Marlan O. Scully (Princeton, College Station)  
Gora V. Shlyapnikov (Orsay, Amsterdam)

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