

Frontiers of Quantum and Mesoscopic Thermodynamics

9 - 15 July 2017, Prague, Czech Republic

<http://fqmt.fzu.cz/17/>

Under the auspices of

Ing. Miloš Zeman

President of the Czech Republic

Milan Štěch

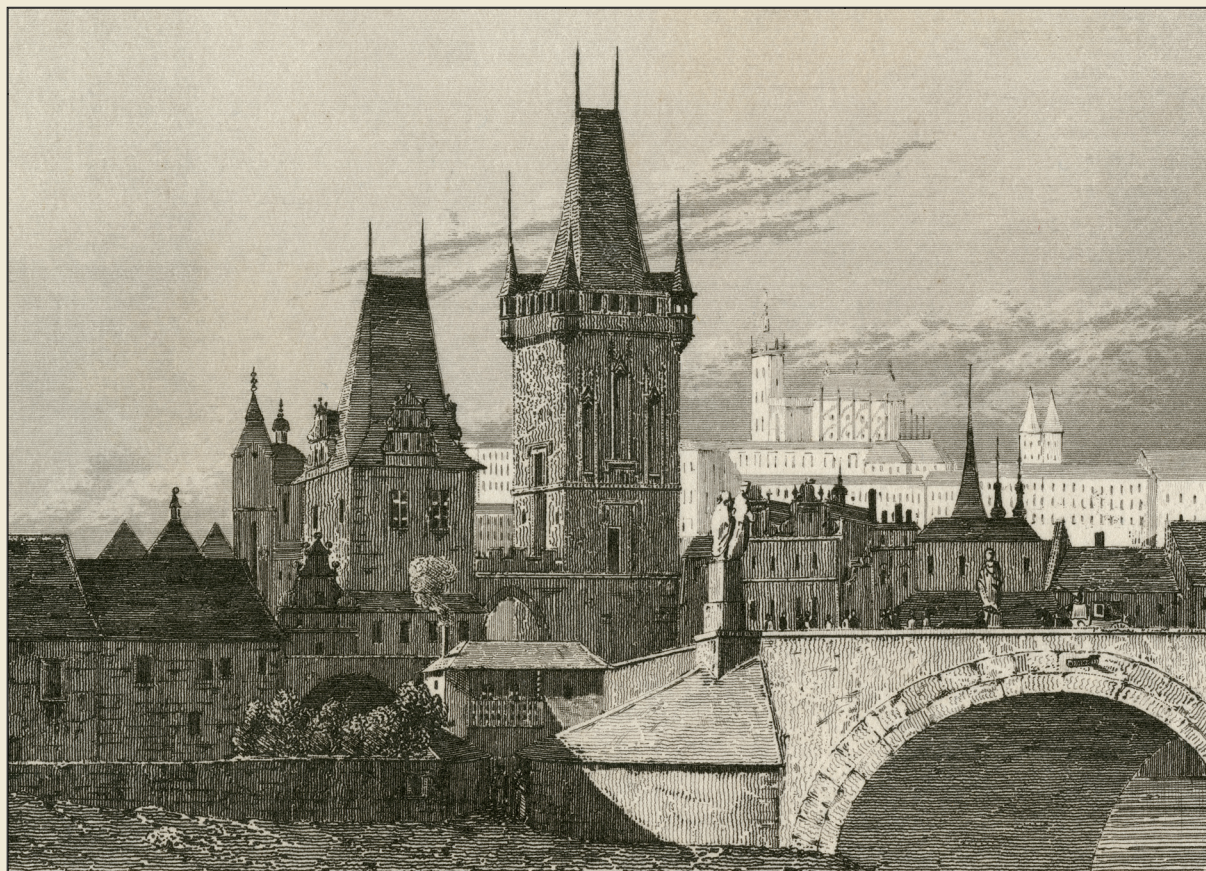
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Prof. Ing. Jiří Drahoš, DrSc., dr. h. c.

President of the Academy of Sciences of the Czech Republic

Dominik Cardinal Duka OP

Archbishop of Prague



View of Prague (1842), steel engraving

Augustin François Lemaitre (1797 - 1870)

Topics

Non-equilibrium statistical physics
Quantum many body physics, quantum field theory
Foundations of quantum physics
Quantum thermodynamics
Quantum optics
Photonics, plasmonics, atomtronics
Quantum simulations
Physics of quantum information and computing

Cosmology, gravitation and astrophysics
Quantum measurement, entanglement and coherence
Dissipation, dephasing, noise and decoherence
Topological states of quantum matter, quantum phase transitions
Macroscopic quantum behavior
Cold atoms and molecules, Bose-Einstein condensates
Mesoscopic, nano-electromechanical and nano-optical systems
Biological systems, molecular motors and quantum biology

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