

Dear colleagues,

This is the second announcement of the 8th Workshop on Quantum Phase Transitions in Nuclei and Many-Body Systems (QPTN-8), which will be held in Prague (Czech Republic) from 6th to 9th June 2016 (Monday-Thursday, full days).

The Workshop is a continuation of a series of workshops that took place in Berkeley (2004), Camerino (2005), Athens (2006), Sofia (2007), Istanbul (2009), Darmstadt (2012), and Sevilla (2014). The QPTN-8 Workshop will be focused on diverse critical effects and their finite-size precursors in the structure of atomic nuclei and general strongly interacting many-body systems (like molecules, Bose-Einstein condensates, lattice systems, synthetic quantum systems etc.).

The QPTN-8 webpage with continuously updated information is available at: <http://www-ucjf.troja.mff.cuni.cz/~qptn2016>

The meeting will take place in a historical quarter of Prague called Mala Strana (Lesser Town). The scientific program will be organized in the following sessions:

Opening talk: F. Iachello

Session: Experimental signatures of quantum phase transitions in nuclei
Convenors: R. Casten <richard.casten@yale.edu> and N. Pietralla <pietralla@ikp.tu-darmstadt.de>

Session: Algebraic approaches to quantum phase transitions
Convenors: P. Van Isacker <isacker@ganil.fr> and A. Leviatan <ami@phys.huji.ac.il>

Session: Microscopic approaches to quantum phase transitions
Convenors: D. Vretenar <vretenar@phy.hr> and L. Robledo <luis.robledo@uam.es>

Session: Quantum phase transitions in coupled systems (including Bose-Fermi)
Convenors: F. Perez Bernal <francisco.perez@dfaie.uhu.es> and J.E. Garcia Ramos <francisco.perez@dfaie.uhu.es>

Session: Quantum phase transitions in non-nuclear many-body systems
Convenors: L. Carr <lcarr@mines.edu> and J. Dukelsky <dukelsky@iem.cfmac.csic.es>

Session: Excited state quantum phase transitions
Convenors: T. Brandes <tobias.brandes@mailbox.tu-berlin.de> and M. Macek <macek@jnp.troja.mff.cuni.cz>

Each of the six sessions has two collaborating convenors, who are responsible for its scientific program. Each session will contain one or two overview talks and a series of shorter contributions, and will provide sufficient time for appropriate discussion of the topics presented.

You are strongly encouraged to submit a proposed topic of your contribution (tentative title and a short abstract) to the convenors of the respective session (email addresses given above). If you are uncertain concerning the session to which your topic belongs, please contact the organizers by replying to the sender of this email.

Besides the scientific program, there will be a special lecture on the history of physics and astronomy in Prague (from Brahe and Kepler to Einstein) by J. Podolsky, and a social dinner. We shall also prepare a list of recommended cultural events in Prague in the period of the Workshop for the participants and their accompanying persons.

The registration fee will be kept as low as possible—it is assumed not to exceed 150 EUR (including inscription, workshop materials, coffee breaks, and lunches) and will be lower for students. Unfortunately we have no funds to support individual participants. Social dinner and accommodation will be paid separately.

Accommodation of the participants and accompanying persons will be arranged in several hotels near the Workshop site. A list of pre-arranged hotels will be given in the second half of March. Cheap accommodation in student dormitories (assumingly for young participants) will be also possible.

If you want to participate in the QPTN-8 Workshop, please contact us by replying to the sender of this email. We also kindly ask you to follow updated information on the Workshop webpage:

<http://www-ucjf.troja.mff.cuni.cz/~qptn2016>

A simple registration form and accommodation options will appear there soon.

We are looking forward to hearing from you and to meeting you in Prague!

We are sorry if you received this email more than once.

Pavel Cejnar

Michal Kloc

Pavel Stransky

(local organization team)

<http://www-ucjf.troja.mff.cuni.cz/~qptn2016>