

Curriculum Vitae

Personal data:

- Name: Peter Jeglič
- Date and place of birth: October 15th 1977, Ljubljana, Slovenia
- Marital status: Married, two children
- Nationality: Slovenian
- Home address: Podmilščakova 15, SI-1000 Ljubljana, Slovenia, tel.: +38641395493, e-mail: peter.jeglic@ijs.si, web: ultracool.ijs.si



Education:

- PhD in physics, “Physical properties of decagonal quasicrystals and quasicrystalline approximants”, University of Ljubljana, 2004.
- BSc in physics, “Temperature-dependent bitumen softening studied by NMR”, University of Ljubljana, 2000.

Current and past positions:

- Head of cold atoms lab at Institute "Jožef Stefan", 2012 – present.
- Research Associate at Institute "Jožef Stefan", 2008 – present.
- Teaching assistant at University of Ljubljana, 2000 – present.
- Research Associate at Centre of Excellence EN-FIST, Ljubljana, 2010 – 2013.
- Postdoctoral Researcher at Max-Planck Institute for Chemical Physics of Solids, Dresden, 2007.
- Postdoctoral Researcher at Institute "Jožef Stefan", 2004 – 2008.
- Young Researcher at Institute "Jožef Stefan", 2000 – 2004.

Research interests:

- Cold atoms and nuclear magnetic resonance (NMR)
- Industrial materials and novel materials including bitumen, nylon, clathrates and zeolites
- Superconductivity in Fe-based superconductors and fullerides
- Physics of quasicrystals and complex metallic alloys

Selected publications (total: 55, source: Web of Science, January 2016):

- R. Zadik, Y. Takabayashi, G. Klupp, R. H. Colman, A. Y. Ganin, A. Potočnik, P. Jeglič, D. Arčon *et al.*, Optimized unconventional superconductivity in a molecular Jahn-Teller metal, *Science Advances* **1**, e1500059 (2015).
- M. Igarashi, T. Nakano, P. T. Thi, Y. Nozue, A. Goto, K. Hashi, S. Ohki, T. Shimizu, A. Krajnc, P. Jeglič, and D. Arčon, NMR study of thermally activated paramagnetism in metallic low-silica X zeolite filled with sodium atoms, *Physical Review B* **87**, 075138 (2013).
- A. Y. Ganin, Y. Takabayashi, P. Jeglič *et al.*, Polymorphism control of superconductivity and magnetism in Cs_3C_{60} close to the Mott transition, *Nature* **466**, 221 (2010).
- P. Jeglič *et al.*, ^{75}As nuclear magnetic resonance study of antiferromagnetic fluctuations in the normal state of LiFeAs , *Physical Review B* **81**, 140511(R) (2010).
- Y. Takabayashi, A. Y. Ganin, P. Jeglič *et al.*, The disorder-free non-BCS superconductor Cs_3C_{60} emerges from an antiferromagnetic insulator parent state, *Science* **323**, 1585 (2009).

Awards:

- Humboldt Research Fellowship, 2007
- Futurum Prize for the distinguished PhD thesis, 2007
- International Pro Natura Research Prize, 2005
- Prešeren Prize for the distinguished diploma work, 2001
- Honourable Mention at XXVII International Physics Olympiad in Oslo, Norway, 1996
- Various prizes on national competitions in physics and mathematics

Research Projects:

- Leader of a basic research project entitled “Superconductivity and magnetism in new iron-based superconductors”, ARRS, J1-2284, 2009-2012.
- Leader of a postdoc basic research project entitled "Complex metallic alloys - novel materials for the future", ARRS, Z1-9333, 2007-2008.
- Leader of the Humboldt research project entitled "Atomic ordering in complex intermetallic compounds", Max-Planck Institute for Chemical Physics of Solids, Dresden, Germany, 2007.