PERSONAL INFORMATION

Name and surname	**Petar Popčević**
Address	Bijenička 46, Zagreb
E-mail	ppopcevic@ifs.hr
web page	http://condensed-matter.ifs.hr/ - Laboratory
Date and place of birth	08 September 1983, Kutina
Identification number of the scientist	299710

EDUCATION

1998 – 2002	High School Tin Ujević, Kutina
2007	Graduated in experimental physics from the Faculty of science, University of Zagreb
2010	PhD in Solid State Physics, Faculty of Science, University of Zagreb

WORK EXPERIENCE

2016 – present	Research Associate Institute of Physics, Zagreb
2015 – 2016	Project Assistant Vienna University of Technology, Wien, Austria
2010 – 2016	Senior Assistant Institute of Physics, Zagreb
2007 – 2010	Assistant Institute of Physics, Zagreb

TRAINING

2011, 2012	EPFL, Lausanne, Switzerland Several weeks – high pressure cell for transport measurements
2012	ILL, Grenoble, France Two weeks - neutron scattering under pressure
2015	LNCMI, Toulouse, France One week – transport measurements under high magnetic field

LANGUAGES

CROATIAN	Mother tongue
ENGLISH	Excelent
GERMAN	Basic

RESEARCH AND OTHER PROJECTS

- 2017-2020 "The physics of many body systems – exploiting the world of complexity"
  HRZZ (IP-2016-06-7258), Leader: O.S. Barišić (IF)
- 2015-2016 "Arcs and pockets in a model high-temperature superconductor"
  FWF (P 27980), Leader: N. Barišić (TUW)
- 2015-2015 "Quantum Criticality – The Puzzle of Multiple Energy Scale"
  ERC (227378), Leader: S. Bühler-Paschen (TUW)
- 2007-2014 "Thermal and charge transport in highly frustrated magnets and related materials", MZOŠ (035-0352826-2848), Leader: A. Smontara (IF)
- 2010-2012 "New electronic states driven by frustration in layered materials"
  UKF, Leader: Eduard Tutiš (IF), Co-Leaders: Neven Barišić (University of Stuttgart), László Forró (EPFL) and A. Smontara (IF)
- 2009-2010 "Physical properties of complex intermetallic based on aluminium"
  (CRO-SLO), Leaders: A. Smontara (IF) and J. Dolinšek (IJS)
- 2007-2008 "Complex metallic alloys"
  (CRO-SLO) Leaders: A. Smontara (IF) and J. Dolinšek (IJS)

ORGANIZATIONAL SKILLS AND COMPETENCES

Member of:

- Program Committee and Local Organizing Committee of the: *C-MAC Euroschool 2017: Physical properties I* – Split, Croatia, 10-15 September 2017.
- Local Organizing Committee of the Conference: *C-MAC Days 2014* – Institute of Physics, Zagreb, 8 – 11 December 2014.
- Local Organizing Committee of the International Conference: *Physic of low dimensional conductors: Problems and perspective* – Institute of Physics, Zagreb, 25 – 28 March 2012.
- Local Organizing Committee of the International Workshop: *Frontiers in Complex Metallic Alloys CMA-Zagreb'08* – Institute of Physics, Zagreb, 01 – 04 October 2008.

MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

- Croatian Physical Society (HFD)
- Croatian Vacuum Society (HVD)
- Centre for Metallic Alloys and Compounds (C-MAC)
- Editorial Board of the "Matematičko-fizički list"

COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS

- Representative of the Institute of Physics at the C-MAC Consortium Governing Board and the General Assembly of C-MAC NSU

PAPERS

Selected publications (full list: http://bib.irb.hr/lista-radova?autor=299710):

1. K. Velebit, **P. Popčević**, I. Batistić, M. Eichler, H. Berger, L. Forró, M. Dressel, N. Barišić and E. Tutiš, Phys. Rev. B **94** (2016) 075105.
2. I. Levatić, **P. Popčević**, V. Šurija, A. Kruchkov, H. Berger, A. Magrez, J. S. White, H. M. Rønnow, I. Živković, Sci. Rep. **6** (2016) 21347.
3. S. Jazbec, S. Vrtnik, Z. Jagličić, S. Kashimoto, J. Ivkov, **P. Popčević**, A. Smontara, H.J. Kim, J.G. Kim, and J. Dolinšek, J. Alloys Compd. **586** (2014) 343. if=2.390
4. M. Bobnar, P. Jeglič, M. Klanjšek, Z. Jagličić, M. Wencka, **P. Popčević**, J. Ivkov, D. Stanić, A. Smontara, P. Gille, and J. Dolinšek, Phys. Rev. B, **85** (2012) 024205. if=3.767
5. N. Barišić, I. Smiljanić, **P. Popčević**, A. Bilušić, E. Tutiš, A. Smontara, H. Berger, J. Jaćimović, O. Yuli, and L. Forró, Phys. Rev. B, **84** (2011) 075157. if=3.691
6. **P. Popčević**, D. Stanić , Ž. Bihar , A. Bilušić , and A. Smontara, Israel J. Chem., **51** (2011) 1340. if=2.561
7. M. Heggen, M. Feuerbacher, J. Ivkov, **P. Popčević**, I. Batistić, A. Smontara, M. Jagodič, Z. Jagličić, J. Janovec, M. Wencka, and J. Dolinšek, Phys. Rev. B, **81** (2010) 184204. if=3.774
8. **P. Popčević**, A. Smontara, J. Ivkov, M. Wencka, M. Komelj, P. Jeglič, S. Vrtnik, M. Bobnar, Z. Jagličić, B. Bauer, P. Gille, H. Borrmann, U. Burkhardt, Y. Grin, and J. Dolinšek, Phys. Rev. B, **81** (2010) 184203. if=3.774
9. J. Dolinšek, M. Komelj, P. Jeglič, S. Vrtnik, D. Stanić, **P. Popčević**, J. Ivkov, A. Smontara, Z. Jagličić, P. Gille, and Y. Grin, Phys. Rev. B, **79** (2009) 184201. if=3.475
10. **P. Popčević**, E. Babić, and S. Sabolek, IEEE Trans. Magn. **44** (2008) 2095. if=1.129.

COMPUTER SKILLS

Microsoft office package (Word, Excel, Power Point), SigmaPlot, Origin, Wolfram Mathematica, LabView, basic programming in Fortran

OTHER IMPORTANT SKILLS AND COMPETENCES

Experimental physicist with competence in experimental techniques for investigation of transport properties (electrical resistivity, thermopower, thermal conductivity, Hall coefficient) in a wide temperature range (1.5 K – 700 K); electrical resistivity and thermopower under high pressures (hydrostatic and uniaxial) and high magnetic field. Knowledge of SQUID magnetometer operation, thermal conductivity and electrical resistivity at dilution refrigerator temperatures.