

Curriculum vitae

Given name: Karel
Surname: Výborný
born: May03, 1978

Fyzikální ústav AV ČR, v.v.i.
Cukrovarnická 10
CZ-16253, Praha 6

Education

1996-2001 Universitas Carolina (Charles University) Praha, Czech Rep.
1999-2000 study stay at Brandenburgische Technische Universität, Cottbus, Germany
2001 obtained MSc. (summa cum laude) in theoretical physics; thesis 'Electronic structure of semiconductor superlattices in strong magnetic field'
2001-2005 PhD. student at Universität Hamburg, Germany
2005 obtained Dr. rer. nat. (equivalent of PhD.); thesis 'Spin structures in fractional quantum Hall systems'
2005 study stay at University of Jyväskylä, Finland

Work experience

2001-2005 research assistant at Universität Hamburg, Germany
2005-2011 postdoc at Fyzikální ústav AV ČR (Institute of Physics, Academy of Sciences of the Czech Rep.)
2007 short-term scholar at Texas A&M University, U.S.
2009 short-term scholar at North Illinois University and Argonne National Laboratory, U.S.
2011-2013 postdoc at University at Buffalo, SUNY, U.S.
2013-now staff scientist at Fyzikální ústav AV ČR

Accomplishments and service

over 50 articles in refereed journals including Phys. Rev. Lett. and Nature Publishing Group, over 1000 citations. Reviews for Rev. Mod. Phys., Phys. Rev. (B, E, Lett.), NPG, J. Appl. Phys. and Appl. Phys. Lett., Physica B&E and external evaluator of ERC 2018 grants. Milan Odehnal prize (2006, 3rd place), Grant Agency of the AS CR grant 'Microscopic mechanisms of extraordinary magnetoresistive phenomena' (PI, 447 kCZK), Milan Odehnal prize (2008, 2nd place), and Czech Grant Agency grant 'Relativistic effects in the response of spin-polarized electrons to external fields' (co-PI, 7104 kCZK). Member of advisory editorial committee in Czechoslovak journal of physics, co-organiser of the 3KK conference.