

Curriculum vitae - Tomislav Ivek

PERSONAL

Scientific Personal Identification Number: 261996

Born: 12. September 1980, Varaždin; Citizenship: Croatian

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Google Scholar: <https://scholar.google.hr/citations?user=4PwGYvIAAAAJ>

ResearcherID: <http://www.researcherid.com/rid/D-5298-2011>

EDUCATION

2005-2011: Doctor of Physics, Faculty of Science, University of Zagreb

1999-2004: Diploma (MSc) in Physics, Faculty of Science, University of Zagreb

WORK

Institution: Institut za fiziku, Zagreb

2015-today: Research Associate

2011-2014: Higher Research Assistant

2005-2011: Research Assistant

April 2012 - April 2014: postdoctoral leave at 1. Physikalisches Institut, Univ. Stuttgart, Germany

RESEARCH ACHIEVEMENTS

Research fields: solid state physics

Main research topics: organic conductors and superconductivity, charge ordering, electrodynamics of materials with reduced dimensionality, collective response, optical and transport properties

COLLABORATION ON CURRENT PROJECTS:

2014-today: "Strongly Correlated Electrons in Layered Organics and Manganites: Low Frequency Excitations and Non-linear Dynamics"; Description: broken-symmetry phases of charge and spin, such as spin liquids and charge orders, as well as their excitations in organic and transition metal solids; magnetotransport and dielectric properties; Funding: HRZZ IP-2013-11-1011.

PAST RESEARCH AND BILATERAL PROJECTS:

2015-2016: "Magnetic Response of a Paired Electron Crystal", Croatian co-lead with M. Herak; Description: investigation of magnetic response in a charge-ordered, paired-electron organic conductor; Funding: MSES-DAAD

2013-2014: "Signatures of Dirac electrons in BEDT-TTF salts under pressure"; Description: investigation of pressure induced phase transitions in an organic conductor; search for signatures of Dirac electrons in the zero-gap and narrow-gap phase; principal investigators: Silvia Tomić (IF Zg) and Martin Dressel (1. Physikalisches Institut, Universität Stuttgart) Funding: MSES-DAAD

2007-2013: "Strongly correlated inorganic, organic and biomaterials"; Description: relation between the external parameters and resulting ordered structures and dynamics in the solid and soft matter dominated by strong Coulomb correlations; Funding: MSES

2008 - 2010: "Frequency-Dependent Conductivity of Charge Ordering Phases of Two-Dimensional Organic Metals: Search for the Anisotropic Dispersion and Collective Excitations", principal investigators: Silvia Tomić (IF Zg) and Martin Dressel (1. Physikalisches Institut, Universität Stuttgart), funding: Deutsche Forschungsgemeinschaft (DFG) project DR 228/29-1

2002 - 2006: "Systems of reduced dimensionality: from synthetic organic to bio-materials" principal investigator: Silvia Tomić (IF Zg), funding: MSES, project 0035015

CC PUBLICATIONS: 27, cited 356 times, h-index 11 (ResearcherID)

Most recent published CC papers:

1. **T. Ivek**, M. Čulo et al., Phys. Rev. B 96, 075141 (2017).
2. **T. Ivek** et al., Phys. Rev. B 96, 085116 (2017).
3. A. Löhle, E. Rose, S. Singh, S. R. Beyer, E. Tafra, **T. Ivek** et al., Jour. Phys.: Cond. Mat. 29, 055601 (2017).
4. M. Pinterić, P. Lazić, A. Pustogow, **T. Ivek** et al., Phys. Rev. B 94, 1105 (2016).
5. T. Peterseim, **T. Ivek** et al., Phys. Rev. B 93, 245133 (2016).