Dr. Evgeny Blokhin

Personal

Year and place of birth:	1985, St. Petersburg, Russia
Family status:	married, one child
Spoken languages:	German, English, Russian
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Education

2009 – 2013 **Ph.D**, Max Planck Institute for Solid State Research, Stuttgart, Germany

2007 – 2009 **M.Sc**, Chemistry Department, St. Petersburg State University, Russia

Work experience

04.2015 – now **Self-employed**, computational materials science and software development

09.2013 – 03.2015 **Software developer**, post-doc, collaboration of Fritz Haber Institute and Humboldt University of Berlin, project "NoMaD: Novel Materials Discovery"

09.2009 – 06.2013 **Research assistant**, Max Planck Institute for Solid State Research, Stuttgart, Germany, *ab initio* modeling of defect thermodynamics of mixed conductors

09.2007 – 06.2009 **Research assistant**, Chemistry Dept., St. Petersburg State University, Russia, *ab initio* and classical modeling of water adsorption on perovskite surfaces

01.2006 – 01.2012 **Freelancer**, web-development and online ads

Scientific publications

Full list at https://scholar.google.com/citations?user=EFWGsJoAAAAJ

E. Blokhin, R. Evarestov, D. Gryaznov, E. Kotomin, J. Maier, Theoretical modeling of antiferrodistortive phase transition for $SrTiO_3$ ultrathin films, *Phys. Rev. B* **88**, 241407 (2013),

E. Blokhin, E. Kotomin, A. Kuzmin, J. Purans, R. Evarestov, J. Maier, Theoretical modeling of the complexes of iron impurities and oxygen vacancies in $SrTiO_3$, *Appl. Phys. Lett.* **102**, 112913 (2013),

E. Blokhin, E. Kotomin, J. Maier, First-principles phonon calculations of Fe^{4+} impurity in $SrTiO_3$, *J. Phys.: Cond. Matt.* **24**, 104024 (2012),

E. Blokhin, D. Gryaznov, E. Kotomin, R. Evarestov, J. Maier, A comparative hybrid DFT study of phonons in several $SrTiO_3$ phases,
Int. Ferroelectrics **123**, 18 (2011)

Qualifications

Software development (UML, XML, Python, JavaScript, PHP),
Relational database design and support, semantic web technologies,
Computational materials science: *ab initio* and classical modeling,
Unix/Linux servers and clusters administration