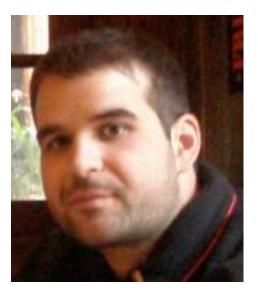
ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Ilias Efthimiopoulos

Research Associate Theoretical and Physical Chemistry Institute National Hellenic Research Foundation 48 Vassileos Constantinou Ave. Athens 11635, Greece

Phone: +30 210 7273826 Fax: +30 210 7273794 E-mail: iliefthi@eie.gr



EDUCATION

- Ph.D. in Physics, Max Planck Institute for Solid State Research and Aristotle University of Thessaloniki (joint), Germany & Greece (2010)
- M.Sc. in Physics, Aristotle University of Thessaloniki, Greece (2007)
- B.Sc. in Physics, Aristotle University of Thessaloniki, Greece (2005)

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

03/2015 – present:	Research Associate, Theoretical and Physical Chemistry Institute,
	National Hellenic Research Foundation, Greece
10/2012 - 01/2014:	Research Associate, Department of Physics, Oakland University,
	Rochester, Michigan U.S.A.
12/2011 - 09/2012:	Postdoctoral fellow, Max Planck Institute for Solid State
	Research, Stuttgart, Germany

MAIN RESEARCH INTERESTS

- Structure and lattice dynamics of crystalline and amorphous materials (x-ray diffraction, Raman and Infrared spectroscopy).
- Phase transformations at extreme conditions (high pressures and temperatures).
- Correlated-electron systems.

EXTERNAL FUNDING

Participant in two international research projects (U.S DOE, NSF).

TEACHING EXPERIENCE

• Experimental supervision and advising for several undergraduate students, Department of Physics, Oakland University, Rochester, MI, U. S. A. 2012-2014.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Member of the American Physical Society.

Reviewer for several international journals.

AWARDS AND DISTINCTIONS

- <u>Best poster presentation award</u> for "*High-pressure structural investigations* of *Fe-based superconductors* " at PCSSP 2009 Thessaloniki.
- **Best poster presentation award** for " *Pressure-induced phase transitions in LaTiO*₃" at EHPRG 2012 Thessaloniki.

CONFERENCES & PUBLICATIONS

7 international and 2 national conferences, 12 peer-reviewed publications.

SELECTED PUBLICATIONS

- "Synthesis, Characterization and Functionalization of Iron Oxide Nanoparticles for Applications in Magnetic Particle Hyperthermia", M. Filippousi, M. Angelakeris, M. Katsikini, E. Paloura, *I. Efthimiopoulos*, Y. Wang, D. Zamboulis, and G. V. Tendeloo, , <u>Journal of Physical Chemistry C 118</u>, 16209 (2014).
- "Multiple pressure-induced transitions in HgCr₂S₄", I. Efthimiopoulos, A. Yaresko,
 V. Tsurkan, J. Deisenhofer, A. Loidl, C. Park, and Y. Wang, <u>Applied Physics</u> <u>Letters 103, 201908 (2013)</u>.
- 3. "Sb₂Se₃ under pressure", I. Efthimiopoulos, J. Zhang, M. Kucway, C. Park, R. C. Ewing, and Y. Wang, <u>Scientific Reports 3, 2665, (2013)</u>.
- "Structural transformation and vibrational properties of BaC₂ at high pressure", I. Efthimiopoulos, K. Kunc, G. V. Vazhenin, E. Stavrou, K. Syassen, M. Hanfland, St. Liebig, and U. Ruschewitz, <u>Physical Review B 85, 054105 (2012)</u>.
- "Structural transformation and vibrational properties of BaO₂ at high pressure", I. Efthimiopoulos, K. Kunc, S. Karmakar, K. Syassen, M. Hanfland, and G. Vajenine, <u>Physical Review B 82, 134125 (2010)</u>.
- "Tube encapsulation effects in various carbon nanotube systems", D. Christofilos, J. Arvanitidis, *I. Efthimiopoulos*, X. Zhao, Y. Ando, T. Takenobu, Y. Iwasa, H. Kataura, S. Ves, and G. A. Kourouklis, <u>Physica status solidi (b) 244</u>, <u>4082 (2007)</u>.