

# Alexandr Fonari

Department of Chemistry, Georgia Institute of Technology  
Atlanta, GA, 30308, USA

✉ alexandr.fonari@gatech.edu • 🌐 afonari.com • in alexandrfonari  
📍 alexandr-fonari • Last updated on 05/22/2014



## EDUCATION

### Georgia Institute of Technology

Ph.D. - Computational Chemistry - GPA: 3.77/4.00

Atlanta, GA, USA

2011– Summer 2015

### New Mexico Highlands University

M.Sc. - Applied Chemistry - GPA: 3.88/4.00

Las Vegas, NM, USA

2009–2011

### Moldova State University

B.Sc. - Theoretical Physics - GPA: 8.40/10.00

Chisinau, Republic of Moldova

2006–2009

## SELECTED PEER-REVIEWED PUBLICATIONS (Google Scholar profile)

1. L. Zhang, A. Fonari, *et al.*, J. Am. Chem Soc. (2014): [10.1021/ja503643s](https://doi.org/10.1021/ja503643s)
2. L. Zhang, A. Fonari, *et al.*, Chem. Eur. J. (2013): [10.1002/chem.201303308](https://doi.org/10.1002/chem.201303308). [Back cover](#)
3. A. R. Morales, A. Frazer, A. W. Woodward, H.-Y. Ahn-White, A. Fonari, *et al.*, J. Org. Chem. (2013): [10.1021/jo302423p](https://doi.org/10.1021/jo302423p)
4. B. R. Kaafarani, A. O. El-Ballouli, R. Trattnig, A. Fonari, *et al.*, J. Mater. Chem. C (2013): [10.1039/c2tc00474g](https://doi.org/10.1039/c2tc00474g)
5. I. V. Magedov, N. M. Evdokimov, A. S. Peretti, M. Karki, D. T. Lima, L. Frolova, M. R. Reisenauer, A. E. Romero, P. Tongwa, A. Fonari, *et al.*, Chem. Commun. (2012): [10.1039/c2cc35044k](https://doi.org/10.1039/c2cc35044k)
6. A. Fonari *et al.*, J. Mol. Struct. (2011): [10.1016/j.molstruc.2011.04.039](https://doi.org/10.1016/j.molstruc.2011.04.039)
7. A. Fonari *et al.*, Polyhedron (2011): [10.1016/j.poly.2011.04.002](https://doi.org/10.1016/j.poly.2011.04.002)
8. E. S. Leonova, M. V. Makarov, E. Y. Rybalkina, S. L. Nayani, P. Tongwa, A. Fonari, *et al.*, Eur. J. Med. Chem (2010): [10.1016/j.ejmech.2010.09.058](https://doi.org/10.1016/j.ejmech.2010.09.058)

📄 Full list of publications (13) and oral/poster presentations can be found at: [afonari.com/afonari\\_publications.pdf](http://afonari.com/afonari_publications.pdf)

## CONTRIBUTIONS AND MEMBERSHIPS

- Contributor to NWChem - a scalable open-source software package for large quantum chemistry simulations
- Contributor to Quantum-Espresso - an open-source software suite for electronic-structure calculations of solids
- Member of Phi Kappa Phi Honor Society

## MENTORING

- Peer-reviewed articles with undergraduate students:
  - Joel Zazueta: J. Mol. Struct. (2011), [10.1016/j.molstruc.2011.09.032](https://doi.org/10.1016/j.molstruc.2011.09.032)
  - Bhupinder Sandhu ([Google Scholar profile](#)): Cryst. Growth Des., *accepted*
  - Nathan S. Corbin: J. Phys. Chem. C, *submitted*
- Teaching assistant: General Chemistry I, Computer Science I, Quantitative Analysis

## VOLUNTEERING

- Demonstrator at the GT Future Tech 2014 for middle school students (April 5, 2014, Atlanta, GA, USA)
- Judge for the undergraduate poster competition at the Southeast Regional Meeting of the American Chemical Society (Nov. 12-16, 2013, Atlanta, GA, USA)
- Demonstrator for the Light-Matter Interactions lecture at the West Las Vegas Middle School (May 15, 2011, Las Vegas, NM, USA). [Link](#)

## INTERNSHIPS

- Advanced Quantum ESPRESSO Developer Training at SISSA (Dec. 9-19, 2013, Trieste, Italy)
- Hooked on Photonics sponsored by National Science Foundation at Georgia Institute of Technology (Summer 2010, Atlanta, GA, USA)
- X-Ray Structural Centre, Russian Academy of Sciences (Summer 2009, Moscow, Russia)