

Yuri Georgievski

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Professional Experience

- **2008-Present.** Assistant Chemist at Argonne National Laboratory working on automated Chemical kinetics and roaming dynamics
- **2001.** Postdoctoral Scholar at Sandia National Laboratories working on development and application of transition state theory and classical trajectory methods to the calculation of the rates of barrierless gas-phase reactions
- **2000.** Senior Research Associate, the University of California at Davis
 - Coupled electron-proton transfer
 - Proton pumping in cytochrome c oxidase
 - Proton transport in proteins
- **1996.** Postdoctoral Scholar, the California Institute of Technology
 - Effect of the pump pulse shape and duration on the dynamic Stokes shift of chromophoric molecules in polar solvents
 - Time evolution of the fluorescence spectra of dye molecules in polar solvents
 - Theory of electron transfer rates in strongly anharmonic environments using the linear response approach
 - Theory of the dielectric saturation effect on the activation energy of electron transfer reactions
- **1991.** Graduate Student, the Weizmann Institute of Science, Israel
 - Theory of reaction rates in condensed phases
 - Kramers problem for a periodic potential
 - Theory of multiple hops of adatoms on solid surfaces
- **1987.** Junior Research Scientist, the Center on Technological Lasers, Russia
 - Vibrational dephasing and spectral line shapes of small molecules in condensed phases
 - Energy relaxation in a gas, excited by a strong infrared laser pulse
- **1983.** Junior Research Scientist, the Institute of Oceanography, Russia
 - Structure of the acoustic noise field at the ocean floor
 - Correlation and spectral analysis of random signals in the ocean
 - Methods of detection of acoustic sources at the ocean floor

Education

- PhD, Physical Chemistry, the Weizmann Institute of Science, Israel, 1995
- MS, Physics (with Honors), the Moscow Institute of Physics and Technology, Russia, 1983
- BS, Physics, Moscow Institute of Physics and Technology, Russia, 1980

Awards

- James W. Glanville Postdoctoral Scholarship in Chemistry, California Institute of Technology (1997)
- James W. Glanville Postdoctoral Scholarship in Chemistry, California Institute of Technology (1996)
- Rueff-Wormser Postdoctoral Fellowship awarded by the Steering Committee of the Feinberg Graduate School, the Weizmann Institute of Science, Israel (1995)
- Prize of Excellence in Memory of Professor Dov Elad awarded by the Feinberg Graduate School, the Weizmann Institute of Science, Israel (1994)

Publications & Presentations

- 40 publications
- 12 presentations