

Speaker Profile



Contact Details

Organization

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Name: Shekhar Garde

Title: Associate Prof. of Chemical and Biological Engineering

Institute: Rensselaer Polytechnic Institute

Education:

B.S. Chemical Engg., 1992, University of Bombay
Ph.D. Chemical Engg., 1997, University of Delaware

Research Interests:

- Molecular modelling and simulation of biological and nanoscopic systems
- Solvation in water and aqueous solutions

Professional Experience:

Director's postdoctoral fellow, Los Alamos National Laboratory, 1997-99
Assistant Professor, 1999-2004 and
Associate Professor, 2004-current at Chemical & Biological Engineering Department at Rensselaer Polytechnic Institute

Awards and Honors:

Rensselaer Faculty Early Career Award, 2004.
School of Engineering Excellence in Research Award, 2003.
American Chemical Society, PRF new faculty grant, 2001.
National Science Foundation's CAREER award, 2001
Sigma-Xi @ Rensselaer, inducted 2001.
Director's Fellow, Los Alamos National Laboratory, 1997.
Lubrizol India Fellowship, University of Bombay, 1990.

Publications and other activities:

Prof. Garde has authored or co-authored over forty papers in the field of hydrophobic interactions and biological self-assembly. These publications have been cited over 1000 times. He has also presented numerous invited talks at national and international meetings.

Prof. Garde is one of the executive producers and director of simulations team of the "Molecularium" animation movies. The concept of Molecularium was conceived at Rensselaer's National Science Foundation Funded Center for Directed Assembly of Nanostructures. Molecularium animation movies are magical musical adventures into the world of atoms and molecules. For more see: <http://www.molecularium.com>