

# Seogjoo Jang

**Work Address:** Brookhaven National Lab., Bldg. 555, Upton, NY 11973  
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- Experience**
- Brookhaven National Lab. (2003 - Present)** Upton, NY  
Goldhaber Distinguished Fellow (Jan. 2003 -Present)  
• Supervisor: Marshall D. Newton  
• Theories and simulations of nanoscale charge transport and energy transport
- Massachusetts Institute of Technology (1999 - 2002)** Cambridge, MA  
Postdoctoral Fellow & Associate (Nov. 1999 - Dec. 2002): Theoretical Chemistry  
• Supervisors: Robert J. Silbey (1999-2002), Jianshu Cao (1999-2001)  
• Theory of single molecule spectroscopy, Quantum master equation theory

- Education**
- University of Pennsylvania (1995 - 1999)** Philadelphia, PA  
Ph.D., Theoretical Physical Chemistry ( Graduated, Dec. 1999)  
• **GPA:** 4.0/4.0 (Molecular Spectroscopy, Solid State Physics, Statistical Mechanics )  
• Chairman's Award for academic excellence in physical chemistry (1996)  
• Four scores of 'excellence' in five cumulative examinations taken  
• Supervisor: Gregory A. Voth ( Working place during 1997 - 1999 : University of Utah)  
• Thesis title : Path integral centroid theories for the simulation of condensed phase quantum dynamics

- Georgia Institute of Technology (1994 - 1995)** Atlanta, GA  
Ph.D. program in chemistry for one year  
• **GPA:** 4.0/4.0  
• One year graduate level physics course work ( Classical Mechanics I,II, Electromagnetism I,II, Quantum Mechanics I, II, Statistical Mechanics I)  
• Transfer to University of Pennsylvania in 1995

- Seoul National University (1989 - 1993)** Seoul, Korea  
M.Sc., Theoretical Physical Chemistry ( Graduated, Aug. 1993)  
• Temporary leave due to military service (1990 - 1992)  
• Thesis title : Effects of translational diffusion on excitation transfer reaction in solution

- Seoul National University (1985 - 1989)** Seoul, Korea  
B.Sc., Chemistry ( Graduated, Feb. 1989)

- Teaching**
- Teaching Assistant (1995-1996)** University of Pennsylvania  
General Chemistry Lab. and Physical Chemistry Lab.
- Teaching Assistant (1994-1995)** Georgia Institute of Technology  
General Chemistry Lab. and Recitation

## **Seminars and Conferences**

- Aug. 2002 **Electronic Processes in Organic Materials, Poster** Newport, RI  
Jan. 2002 **McMaster University, Seminar** Hamilton, ON, Canada  
Dec. 2001 **University of Notre Dame, Seminar** Notre Dame, IN  
July 2001 **Quantum Control (GRC), Poster** Hadley, MA  
July 1999 **American Conference on Theoretical Chemistry, Poster** Boulder, CO  
July 1999 **Time dependent quantum dynamics workshop** Boulder, CO  
June 1998 **West Coast Theoretical Chemistry Conference 1998, Speaker** Richland, WA  
May 1998 **High Energy Density Matter Meeting, Poster** Monterey, CA  
July 1996 **American Conference on Theoretical Chemistry, Poster** Park City, UT