

Steven G. Desjardins
Department of Chemistry
Washington and Lee University
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Education:

1985

The University of Texas, Austin, TX 78712
Postdoctoral Research Associate with Dr. Peter D. Rossky
Research: Theoretical Studies in Statistical Mechanics; Development of Interaction Site integral equation theory for molecular fluids such as water.

1984

Brown University, Providence, RI 02912
Ph.D., Physical Chemistry
Graduate Research: Theoretical Studies in Statistical Mechanics
Thesis Advisor: Professor Richard M. Stratt, Department of Chemistry, Brown

1980

Clark University, Worcester, MA 01610
B.A., Chemistry and Philosophy Magna Cum Laude
Undergraduate Research: Computer modeling of dynamics of dissolved polycarbonates, with emphasis on understanding the observed impact resistance of the polycarbonate Lexan
Research Advisor: Professor Alan A. Jones, Department of Chemistry, Clark

Selected Publications:

Marium G. Holland, Veronica E. Griffith, Marcia B. France, and Steven G. Desjardins, "Kinetics of the Ring Opening Metathesis Polymerization of Oxanorbornene Derivative by Grubbs' Catalyst", *Journal of Polymer Science: Part A: Polymer Chemistry*, 21252131 (2003)

E. Knapp, S. Desjardins, and M. Pleva, "An Interdisciplinary Approach to Teaching Chemistry to Geology Students", *Journal of Geoscience Education*, November, 2003

Williams, H. T.; Goodwin, L.; Desjardins, S. G.; Billings, F. T. "Two-dimensional Growth Models", *Phys. Lett. A* 1998, 250, 105.

S. Desjardins, "An Interdisciplinary Course in Chemical Dynamics", *J. ChemEd.*, 85 (2008) 1078

Courses Taught:

Chemistry 106	Disorder and Chaos
Chemistry 110	General Chemistry
Chemistry 112	Aqueous Inorganic Quantitative Chemistry
Chemistry 260	Physical Chemistry of Biological Systems
Chemistry 261	Physical Chemistry I
Chemistry 365	Advanced Physical Chemistry

Recent Presentations at Professional Meetings:

American Chemical Society Meeting in Philadelphia, PA. August 2012. Presented a poster with Alex Finnegan "Simulating the Muscle Fiber as a Molecular Ratchet"

American Chemical Society meeting in Washington, August 2009. Presented a poster with Dessie Otachlik "Dynamics of the Krebs Tricycle".

Grants Awarded:

Associated Colleges of the South Development of an online interdisciplinary course in complexity

W. M. Keck Foundation *Washington and Lee University's Interdisciplinary Program in Nonlinear Dynamics*, 2001, \$500,000 (Corporate grant with other faculty).

Dr. Scholl Foundation *Fast Track Teaching in the Sciences*, 1999, \$25,000 (Corporate grant with other faculty).

NSF, *High-Field Multinuclear NMR in Undergraduate Education at Washington and Lee University*, 1996, \$99,500 (with Erich Uffelman, Marcia France, and Lisa Alty).

C. B. Fleet Company, Inc. *Kinetics Studies of the Hydrolysis of Bisacodyl*, 2004, \$41,000 (with Marcia France); Renewed, 2005, \$35,460 (with Marcia France).