

## **Richard E. Barrans Jr., Ph.D., M.Ed.**

### **Education**

M.Ed. May 2004  
John Carroll University, University Heights, Ohio  
School-Based Master of Education program

Ph.D., Chemistry June 1992  
California Institute of Technology, Pasadena, California; Advisor: Dennis A. Dougherty  
Thesis: *Investigations in Molecular Recognition: Statistical Tools and Experimental Studies*

BA, Natural Science May 1985  
Johns Hopkins University, Baltimore Maryland

### **Positions and Experience**

Assistant Lecturer January 2005 – present  
University of Wyoming, Department of Physics and Astronomy

Student Teaching Internship August 2003 – May 2004  
Collinwood Computech Senior, Cleveland, Ohio: chemistry and biology

Assistant Director March 2000 – May 2003  
PG Research Foundation, Darien, IL

Assistant Chemist January 1995 – February 2000  
Argonne National Laboratory, Argonne IL

Postdoctoral Fellow July 1992 – December 1994  
Los Alamos National Laboratory, Los Alamos, NM

### **Professional Memberships**

American Chemical Society, Division of Chemical Education  
National Science Teachers Association  
American Association of Physics Teachers  
Kappa Delta Pi

### **Professional Service**

Student Interaction Committee 2007 – present; Chair 2008 – 2010  
University of Wyoming  
Member of Faculty Senate committee regulating scholastic affairs of the University.

National Symposium Organizer April 1997, March 2000  
213<sup>th</sup> and 219<sup>th</sup> American Chemical Society National Meetings  
Co-organized and presided at two topical symposia in the area of separations chemistry.

Ask-A-Scientist program volunteer 1996 – present  
Argonne National Laboratory  
Answered chemistry, physics, and general science questions posted to ANL's web site.

Science Consultant Program 1992 – 1994  
San Diego Mission School, Jemez Pueblo, NM / Los Alamos National Laboratory  
Conducted monthly science activities with American Indian middle school students.