

## Janet deGrazia

Associate Chair and Senior Instructor

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### Professional Preparation

Barnard College	Art History	B.A. (1977)
University of Colorado Boulder	Chemical Engineering	M.S. (1994)
University of Colorado Boulder	Chemical Engineering	Ph.D. (1998)

### Appointments

Associate Chair, Chemical and Biological Engineering, University of Colorado Boulder, 7/06 - Present  
Senior Instructor, Chemical and Biological Engineering, University of Colorado Boulder, 8/02 - Present  
Director of Outreach, Integrated Teaching and Learning Laboratory, 3/00 – 8/02  
Senior Instructor, Chemical and Mechanical Engineering, University of Colorado Boulder, 3/00 – 8/02  
Postdoctoral Fellow in SMET Education, Integrated Teaching and Learning Laboratory, 9/98 – 8/01

### Selected Awards

Boulder Faculty Assembly Service Award, 2013  
CUGold Integrity Award, 2012  
College of Engineering Max Peters Service Award, 2011  
Boulder Faculty Assembly Teaching Award, 2010  
CU Volleyball Professor of the Month, 2008, 2009, 2010, 2011, 2012  
Faculty Football Coach of the game, 2008, 2011  
College Advising Award, 2008  
Outstanding Undergraduate Teacher, Chemical Engineering, 2003, 2008  
CU Alumni Association Teacher Recognition Award, 2007  
Outstanding Undergraduate Mentor, Chemical and Biological Engineering, 2004, 2007, 2010, 2012  
Outstanding Teacher, ASEE Rocky Mountain Section, 2006  
Residence Life Academic Teaching Award, 2006, 2005, 2004  
Best Zone Paper, ASEE National Conference, 2005  
Best Paper, ASEE Rocky Mountain Section, 2005  
Best Paper, ASEE Zone IV Region, 2005  
Charles Hutchinson Teaching Award, 2004  
Faculty Appreciation Award, 2003, Multicultural Engineering Program  
Best Paper, Frontiers in Education Conference, 1999, 2000  
“Professor Who Makes A Difference”, Mechanical Engineering, Spring 2000  
Sullivan-Carlson Innovation in Teaching Award, Fall 1999  
NSF Postdoctoral Fellowship for Research in Education, September 1998  
Dean’s Small Grant, May 1997, September 1995  
Outstanding Part-time Graduate Instructor, University of Colorado at Boulder, May 1996  
Department of Defense Graduate Student Fellowship, September 1995 - May 1998  
Patricia Roberts Harris Fellowship, September 1993 - September 1995  
Outstanding Teaching Assistant, Chemical Engineering 1993  
Protected Class Fellowship, January 1992  
PREP Fellowship, January 1991 - September 1993

**Publications:**

- J.L. Falconer, G. Nicodemus, J. deGrazia, J.W. Medlin, “Chemical Engineering Screencasts”, *Chemical Engineering Education* 46, 58-62 (2012).
- Falconer, J.L., deGrazia, J.L., Medlin, J.W., Holmberg, M. (2009), “Using Screencasts in Chemical Engineering Courses,” *Chemical Engineering Education* 43, 302-305
- deGrazia, J.L., Sullivan, J.F., Carlson, L.E. and Carlson, D.W. (2001), “A K-12 / University Partnership: Creating Tomorrow’s Engineers,” *Journal of Engineering Education*, October 2001.
- deGrazia, J.L., (2001), “Engineering Workshops for K-12 Schoolteachers,” *Proceedings*, 2001 Frontiers in Education Conference, paper #1297.
- deGrazia, J.L., Sullivan, J.F., Aragon, D.J. and Matthews, J.M. (2001), “*Success Institute*: Expanding the Pool of Under-Represented Minority Engineering Students,” *Proceedings*, 2001 Frontiers in Education Conference, paper #1293.
- deGrazia, J.L., Sullivan, J.F., Carlson, L.E. and Carlson, D.W. (2000), “Engineering in the K-12 Classroom: A Partnership that Works,” *Proceedings*, 2000 Frontiers in Education Conference.
- Sullivan, J.F., deGrazia, J.L., Davis, S.E. and Carlson, L.E. (1999), “Innovation in Everyday Life: Making Engineering Come Alive for the K-12 Community,” *Proceedings*, 1999 National Collegiate Inventors and Innovators Alliance Annual National Conference, Washington, DC.
- Sullivan, J.F., Davis, S.E., deGrazia, J.L. and Carlson, D.W. (1999), “Beyond the Pipeline: Building a K-12 Engineering Outreach Program,” *Proceedings*, 1999 Frontiers in Education Conference.
- Poole, S.J., deGrazia, J.L. and Sullivan, J.F. (1999), “Assessing K-12 Pre-Engineering Outreach Programs,” *Proceedings*, 1999 Frontiers in Education Conference.
- deGrazia, J.L., Randolph, T.W. and Johnston, K.P. (1999), “Surfactants for Supercritical Fluids” in *Chemical Synthesis Using Supercritical Fluids*, Jessop and Leitner, eds. Wiley.

**Other Activities**

- Faculty liaison for campus-wide Honor Council
- Member of the University pre-med advisory committee
- Created and taught a senior-level thermodynamics course that combined an energy conservation theme with a hands-on design and build emphasis
- Designed and taught professional development workshops for K-12 teachers that use engineering to provide standards-based curriculum for science and math classes
- Starred in week-long television series “ABC’s of Engineering” for 3rd - 5th grade students and teachers

**Collaborators**

- John L. Falconer, Department of Chemical & Biological Engineering, CU Boulder
- J. Will Medlin, Department of Chemical & Biological Engineering, CU Boulder
- Garret Nicodemus, Department of Chemical & Biological Engineering, CU Boulder

**Graduate Advisors**

- Theodore Randolph, Department of Chemical & Biological Engineering, CU Boulder

**Postdoctoral Sponsors**

- Jacquelyn Sullivan, ITLL, CU Boulder