Biographical Sketch

Orlin D. Velev

Position/Affiliation: Assistant Professor
Department of Chemical Engineering
North Carolina State University
Raleigh, North Carolina 27695-7905

Education:
Department of Chemistry, University of Sofia
M.Sc. in Chemical Physics and Theoretical Chemistry 1989
University of Sofia and Bulgarian Academy of Sciences
Ph.D. in Physical Chemistry 1996
Department of Chemical Engineering, University of Delaware

Professional positions and experience:
2001- Assistant Professor, Dept. of Chemical Engineering, North Carolina State University
1998-2001 Research Assistant Professor, Dept. of Chemical Engineering, Univ. of Delaware
1996-1998 Postdoctoral Fellow, Dept. of Chemical Engineering, University of Delaware
1994-1995 Researcher, Nagayama Protein Array Project, Japanese Exploratory Research for Advanced Technology program, Tsukuba, Japan
1993-1994 Research and teaching fellow, Laboratory of Thermodynamics and Physico-Chemical Hydrodynamics (LTPH), University of Sofia, Bulgaria
1991-1994 Short-term visiting researcher, Universities of Bristol (England) and Patras (Greece)
1990-1993 Research and teaching assistant and graduate student in the Laboratory of LTPH

Selected awards:
CAREER Award (National Science Foundation, 2003)
Ralph E. Powe New Faculty Award (Oak Ridge Associated Universities, 2002)
Camille and Henry Dreyfus New Faculty Award (2001)
Bulgarian Governmental awards for excellence from the Ministry of Science and High Education, and from the Ministry of Chemical and Biochemical Industry (1989)
First Award at the National Student Science and Creativity Competition (Bulgaria, 1989)
Named governmental stipend for outstanding students (Bulgaria, 1987-89)
Bronze Medal from the International Chemistry Olympiad (Stockholm, Sweden, 1982)
First Award at the Bulgarian National Chemistry Olympiad (1982)

Selected academic activities:
Active reviewer for more than 10 scientific journals
Cited more than 1200 times in papers by other authors
Presented invited seminars in DuPont (DE), Honeywell (NJ), Rohm and Haas (PA), KRAFT Foods (IL), Westvaco (MD), Procter and Gamble (OH), Kodak (NY) and more than 25 US and international universities
Invited speaker at the 2002 ACS annual meeting, 2002 MRS Spring meeting, 2002 ACS Colloids meeting, 2002 American Conference on Crystal Growth West, Particles 2001 Conference, 2001 ACS Spring meeting, 2001 CIGS meeting of the Royal Society of Chemistry, UK, and 2000 MRS Fall meeting Symposium organizer at the 2003 Spring MRS meeting, session chair at three recent meetings

Selected recent research publications (of 46 total)

Professional Society Memberships
American Chemical Society (ACS), American Institute of Chemical Engineers (AIChE), Materials Research Society (MRS), American Crystallographic Association (ACA and AACG), European Colloid and Interface Society (ECIS), Sigma Xi