

MULTISCALE COMPUTATIONAL NANOSCIENCE LABORATORY



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Contact us

Angela Violi
 University of Michigan
 Associate Professor of
 Mechanical, Chemical, &
 Biomedical Engineering
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People

Principal Investigator



Angela Violi Ph.D.
 Associate Professor of Mechanical, Chemical and Biomedical
 Engineering

Research Interests [See Research.]

Reaction Mechanisms for Real Fuels, Nanoparticle Growth and
 Self-assembly, Nanoparticle Interactions with Biomolecular
 Systems, Molecular Modeling of Complex Systems using Atomistic
 Models, Applied Chemical Kinetics, Aerosols

Teaching Responsibilities [See Courses.]

ME 599 — Fundamentals of Energy Conversion
 ME 235 — Thermodynamics I

Grant Support [See Funding Sources.]

National Science Foundation (NSF)
 Air Force Office of Scientific Research, AFOSR.

Professional Affiliations (Memberships)

ACS American Chemical Society
 The Combustion Institute
 Carbon

Publications [See Publications.]

Education

1994
 B.S. in Chemical Engineering
University of Naples "Federico II", Naples, Italy

1999
 Ph.D. in Chemical Engineering
University of Naples "Federico II", Naples, Italy

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1999-2001
PostDoc in Chemical Engineering
University of Utah, Salt Lake City, UT

Professional Experience

5/2009 - present
Associate Professor
Department of Mechanical Engineering,
Department of Biomedical Engineering
and Department of Chemical Engineering
University of Michigan, MI

9/2006 - 5/2009
Assistant Professor
Department of Biomedical Engineering
University of Michigan, MI

1/2006 - 5/2009
Assistant Professor
Department of Mechanical Engineering
and Department of Chemical Engineering
University of Michigan, MI

7/2004 - 12/2005
Research Professor
Department of Chemistry
University of Utah, UT

9/1999 - 12/2005
Research Scientist
Center for the Simulation of Accidental Fires and Explosions
(C-SAFE)
University of Utah, UT

1/1999 - 9/1999
Research Associate
Department of Chemical Engineering
University of Naples "Federico II", Naples, Italy

3/1995 - 3/1996
Research Associate
Institute of Research on Combustion (IRC)
Naples, Italy

Professional Service

Moderator:
A NSF-Workshop on Cyber-based Combustion Science April 19-20
2006, Arlington, Virginia. [[See Final Report](#)]

Conferences:
Chair of the Section "Combustion synthesis: from pollutants to
advanced materials" 231st ACS meeting March 26-30, 2006,
Atlanta, GA.

Chair of the Section "Environmental and Health Effects" 231st
ACS meeting March 26-30, 2006, Atlanta, GA.

External Grant Reviewer:
National Science Foundation; Eight journals (Carbon,
Chemosphere, Combustion and Flame, Combustion Theory

Modeling, Combustion Science and Technology, Environmental Science and Technology, International Journal of Chemical Kinetics, Proceedings of the Combustion Institute).

Awards, Honors and Distinctions

Bernard Lewis Fellowship, International Combustion Institute, Edinburgh, Scotland, for "High Quality Research in Combustion", August 2000

John Zink Award, Salt Lake City, Utah, November 2000

Enichem Price for Distinguished Undergraduate Thesis, 1994

Erasmus Fellowship at the Department of Chemical and Biochemical Engineering at the University College of London, England, 1992-93

Enichem Award of Merit for Best Curriculum Studiorum, Naples, Italy, 1991

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