

Dr. William Tumas

- 2013- Associate Laboratory Director, Materials and Chemical Science and Technology, National Renewable Energy Laboratory (NREL)
- 2014- Director Center for Next Generation of Materials Design Energy Frontier Research Center, NREL
- 2011-2014 Director, Center for Inverse Design Energy Frontier Research Center, NREL
- 2009-2013 Chemical and Materials Science Center Director, NREL
- 2009- Point of Contact, DOE Office of Science-Basic Energy Science, NREL
- 2006-2009 Program Director for Applied Energy Programs, Los Alamos National Laboratory (LANL)
- 2005-2007 Director, DOE Center of Excellence for Chemical Hydrogen Storage, LANL
- 2004-2006 Program Manager, Hydrogen Programs, LANL
- 2002-2003 Acting Director, Office of Science Programs, LANL
- 1994-2005 Group Leader, Inorganic Chemistry, LANL
- 1993-1994 Research Scientist, LANL
- 1989-1993 Project Leader, Oxidation/Environmental Catalysis, DuPont Central Research
- 1987-1989 Research Chemist, DuPont Central Research
- 1985-1987 NIH and Weizmann Postdoctoral Fellow, California Institute of Technology
- 1980-1985 NSF and Hertz Foundation Graduate Fellow, Stanford University
- 1980 Summer Intern, Allied Chemical Company



Research Biography

- 2011- Solar Energy Conversion; Materials Design; Materials Science
- 2009-2011 Green Chemistry, Solar Energy Conversion, Materials Science
- 2004-2009 – Catalysis; Chemical Hydrogen Storage; Hydrogen/Fuel Cells; Green Chemistry
- 1993-2003 Catalysis in Supercritical Fluids; Homogeneous Catalysis; Multiphase Catalysis
Green Chemistry
- 1990-1993 Environmental Catalysis; Waste Treatment Technology Development
- 1987-1993 Organometallic Chemistry; Homogeneous Catalysis;
- 1984-1987 Organometallic Chemistry; Photochemistry
- 1980-1985 Gas Phase Ion Reaction Dynamics; Infra-red Photochemistry
- 1980 Laser Photocatalysis of Metal Carbonyls; Organometallic Photochemistry
- 1976-1980 Physical Organic Chemistry; Reaction Mechanisms of Elimination Reactions

Academic Background

- 1985 Ph.D. in Organic Chemistry, Stanford University
- 1980 Bachelor of Arts, Chemistry, Ithaca College