

**Workshop on Net Zero Energy High Performance Green Buildings**  
**May 15-16, 2008 • Washington, DC**  
**Speaker Biographies**

**Jerome P. Dion**

**Research Supervisor, Building Technologies Program**  
**Office of Energy Efficiency and Renewable Energy**  
**U.S. Department of Energy**  
**Co-Chair, Subcommittee on Buildings Technology Research and Development (BTRD)**

Jerry Dion is the Research Supervisor for the Building Technologies Program in the Office of Energy Efficiency and Renewable Energy of the Department of Energy. He supervises a diverse research program designed to achieve the technical and economic capacity for implementing Zero Energy Homes and Commercial Buildings in all segments of the U.S. new construction market. He recently completed a six-month assignment as Acting Building Technologies Program Manager, and continues to assist in the overall management of the Program. Mr. Dion has served in a variety of capacities in Efficiency and Renewables over the past 15 years, including corporate planning lead, and senior advisor in the Federal Energy Management Program and Office of Building Technologies, State and Community Programs (predecessor organization to the Building Technology Program). Prior to joining the Department of Energy, he served the Arizona Energy Office for 10 years, leaving as Planning and Policy Program Manager. Mr. Dion holds a Master of Urban Planning degree from the State University of New York at Buffalo.

**Kevin Hurst, Ph.D.**

**Assistant Director for Technology R&D**  
**Office of Science and Technology Policy**  
**Executive Office of the President**

Dr. Hurst works on policy issues related to energy and climate change technologies, including renewable energy, nuclear power, carbon capture and sequestration, sustainable buildings, hydrogen fuel cells, biofuels, fossil fuels, and advanced transportation technologies. His technical background is in electrical engineering, with a bachelor's degree from MIT and a Ph.D. from Georgia Tech. His first job was as a division officer on a U.S. Navy submarine tender in New London, CT. From 1998 until joining OSTP in 2002, Dr. Hurst worked for General Motors Allison Transmission, where he led development of power converters for heavy-duty hybrid-electric vehicles and then served as a policy fellow at OSTP.

**Rick Otis**

**Deputy Associate Administrator**  
**Office of Policy, Economics, and Innovation**  
**U.S. Environmental Protection Agency**

As Deputy Associate Administrator for the Office of Policy, Economics, and Innovation, Rick is part of the senior management team responsible for the agency's policy, rulemaking, and innovations activities. He began his career in Washington DC in 1980 as a Presidential Management

Intern at EPA. He has worked for the Office of Management and Budget, Congressman Fred Upton, a government affairs consulting firm, an industry trade association, and his own consulting firm.

Over this twenty five-year period, Rick has developed an extensive understanding of the mechanisms used by federal agencies, Congress, the Executive Office of the President, and interest groups to establish and implement national environmental policy. His experience with these mechanisms, existing environmental laws, the federal regulatory process, and the transformational value of information technology has fostered his interest in the logical evolution of federal environmental programs. This includes a sound grasp of the political, institutional, procedural, public opinion, and communications challenges associated with successfully achieving innovative change. He received an MBA from Cornell University in 1980 and a BA from Ithaca College in 1976.

**Dr. Shyam Sunder**

**Director, Building and Fire Research Laboratory, U.S. Department of Commerce's National Institute of Standards and Technology (NIST)**

**Co-Chair, Subcommittee on Buildings Technology Research and Development (BTRD)**

Dr. Shyam Sunder is Director of the Building and Fire Research Laboratory (BFRL) at the National Institute of Standards and Technology (NIST).

BFRL has an annual operating budget of about \$42 million and its staff includes about 175 federal employees and 100 research associates and guest researchers from industry, universities, and foreign laboratories.

Dr. Sunder also:

- Is the lead investigator for the federal building and fire safety investigation of the World Trade Center disaster;
- Oversees NIST activities as lead agency for the National Earthquake Hazards Reduction Program (NEHRP); and
- Co-chairs the National Science and Technology Council's (NSTC) Subcommittee on Buildings Technology Research and Development.

From June 1996 to December 1997, Dr. Sunder was on assignment to the Program Office, the principal staff office of the NIST Director, first as a Program Analyst and later as the Senior Program Analyst for NIST.

Dr. Sunder was appointed Chief of the Structures Division in January 1998 and Chief of the Materials and Construction Research Division in June 2002. He was appointed Acting Deputy Director of BFRL in March 2004, Deputy Director of BFRL in June 2005, and Acting Director of BFRL in July 2006.

Prior to joining NIST in 1994, Dr. Sunder held a succession of positions at the Massachusetts Institute of Technology (MIT) beginning in 1980: instructor, assistant professor, associate professor, principal research scientist, and senior research scientist.

Dr. Sunder holds a Bachelor of Technology (Honors) degree in civil engineering from the Indian Institute of Technology, Delhi (1977), a Master of Science degree in civil engineering from MIT (1979), and a Doctor of Science degree in structural engineering from MIT (1981).

Dr. Sunder's awards include the Gilbert W. Winslow Career Development Chair (1985-87) and the Doherty Professorship in Ocean Utilization (1987-89) from MIT, the Walter L. Huber Civil Engineering Research Prize (1991) from the American Society of Civil Engineers, the Equal Employment Opportunity Award (1997) from NIST, and the Gold Medal Award (2005) for his distinguished leadership of the federal building and fire safety investigation of the World Trade Center disaster from the U.S. Department of Commerce.

**David E. Rodgers**

**Deputy Assistant Secretary for Energy Efficiency  
Office of Energy Efficiency and Renewable Energy  
U.S. Department of Energy**

David E. Rodgers is Deputy Assistant Secretary for Energy Efficiency within the Office of Energy Efficiency and Renewable Energy (EERE) at the U.S. Department of Energy. As Deputy Assistant Secretary, David supports the Assistant Secretary in day-to-day management of the EERE portfolio of energy efficiency programs including industrial, buildings, and vehicle technologies.

David has been with the U.S. Department of Energy for 16 years and has served in the Department's energy efficiency programs for buildings, industry, and transportation. Prior to his current position, David served as Acting Deputy Assistant Secretary for Technology Development. From July 2005 through July 2006, David was Program Manager for the Building Technologies Program. From December 2004 through June 2005, he served as Acting Program Manager for the Industrial Technologies Program. He also served for three years as Senior Advisor to the Deputy Assistant Secretary for Technology Development in EERE. From 1996 through 2002, he was the Director of the Office of Technology Utilization within the Office of Transportation Technologies.

During his career at the Department of Energy, David has worked on regulatory development, R&D management, deployment activities, partnership development, business systems, and planning and analysis. David earned degrees in chemical engineering and computer science from Washington University in St. Louis, and a masters in public management from the University of Maryland. He is a former Presidential Management Fellow. In the private sector, he has experience in the chemical, petroleum, and computer industries.

**Dr. James M. Turner**

**Acting Director and Deputy Director  
U.S. Department of Commerce's National Institute of Standards and Technology (NIST)**

Dr. James M. Turner is the Acting Director and Deputy Director of the U.S. Department of Commerce's National Institute of Standards and Technology (NIST). Turner became NIST Acting Director on September 3, 2007. As Acting Director, Turner provides high-level oversight and direction for NIST. The agency promotes U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology. NIST's FY 2008 resources total \$931.5 million and the agency employs about 2,800 scientists, engineers, technicians, support staff and

administrative personnel at two main locations in Gaithersburg, MD and Boulder, CO. Along with the Department of Energy Office of Science, and the National Science Foundation, NIST is slated for substantial budget increases for its core research programs under the President's American Competitiveness Initiative.

Prior to joining NIST on April 16, 2007, Turner served as the Assistant Deputy Administrator for Nuclear Risk Reduction in the Department of Energy's National Nuclear Security Administration. In that position, he was responsible for major projects in Russia to permanently shutdown their last three weapons-grade plutonium-production reactors. He also worked with foreign governments and international agencies to reduce the consequences of nuclear accidents by strengthening their capability to respond to nuclear emergencies.

Prior to that assignment, Turner held several senior management posts at DOE concerned with laboratory oversight and with nuclear safety and the safeguarding of nuclear weapons both here and abroad.

He holds degrees in Physics from the Massachusetts Institute of Technology (Ph.D.) and Johns Hopkins University (B.A.), and taught for five years as an Associate Professor of Physics and Engineering at Morehouse College.

Among other honors, he has received the U.S. Government Presidential Rank Award for Meritorious Service, three times received the U.S. Department of Energy Exceptional Service Award, and earned the Secretary of Energy Gold Award and the National Nuclear Security Administration's Gold Medal. Dr. Turner is an active member of the American Physical Society, the American Chemical Society, the American Nuclear Society, the American Association for the Advancement of Science, ASTM, the Council on Foreign Relations, IEEE, Phi Beta Kappa, Sigma Xi, and the World Affairs Council.

Dr. Turner is a native of Washington, DC, is married, and has five children and one grandchild. He enjoys doing yoga and Tai Chi. He and his wife, Paulette, reside in Olney, Maryland.