

## Contact Information

<http://eetd.lbl.gov/about-us/organization/industrial-energy>



**Paul Sheaffer**  
(703) 689-1202  
[PSheaffer@lbl.gov](mailto:PSheaffer@lbl.gov)

**Paul Sheaffer** is a Program Manager in the High Tech and Industrial Systems Group at Lawrence Berkeley National Laboratory with more than 20 years of experience in commercial and industrial energy efficiency. Mr. Sheaffer's experience covers cross-cutting technologies including motors, drives, pump, compressed air, fan, steam, and process heating systems, as well as sector-specific systems and technologies. He developed numerous tools, technical publications, training, standards, projects, certification programs, and efficiency assessments related to industrial and building systems efficiency and distributed generation. Mr. Sheaffer is currently managing a USDOE-funded project analyzing the installed base and efficiency opportunities of motor-driven systems in the US. He is also supporting Superior Energy Performance, a program to certify industrial plants and commercial buildings for energy efficiency, which includes conformance to ISO 50001- Energy Management Systems. Mr. Sheaffer is also developing certification programs related to ISO 50001 and other energy efficiency-related credentials.



**Peter Therkelsen**  
(510) 486-5645  
[PTherkelsen@lbl.gov](mailto:PTherkelsen@lbl.gov)

**Dr. Peter Therkelsen** is a Research Scientist in the Energy Technologies Area at the Lawrence Berkeley National Laboratory. His work focuses on industrial energy performance and management as well as the development and deployment of responsible energy efficiency and generation technologies. In this role he actively studies barriers to the implementation of industrial energy efficiency measures, supports the implementation of energy management systems in the United States, and serves as a delegate of the United States at International Standards Organization meetings for energy management and savings. Dr. Therkelsen conducts data driven analysis of energy management systems with a current focus on the costs and benefits of certification to the U.S. DOE Superior Energy Performance program. In addition, Dr. Therkelsen is head of the LBNL Combustion Laboratory where he studies and develops high efficiency, fuel flexible, and low emission installed and portable heat and power systems.



**Aimee McKane**  
(518) 782-7002  
[ATMcKane@lbl.gov](mailto:ATMcKane@lbl.gov)

**Aimee McKane** is a member of the High Tech and Industrial Systems Group at Lawrence Berkeley National Laboratory with more than 25 years of experience in commercial and industrial energy efficiency. Ms. McKane works with the US Department of Energy (USDOE) on several initiatives, including developing Superior Energy Performance, a program to certify industrial plants and commercial buildings for energy efficiency, which includes conformance to ISO 50001- Energy Management Systems. She also has collaborated extensively with the United Nations Industrial Development Organization (UNIDO) on the design and implementation of industrial projects in China, Southeast Asia, and South Africa to promote energy management and system energy efficiency. A 2007 issues paper Ms. McKane prepared for UNIDO became the impetus for ISO 50001. Ms. McKane represents the US on the ISO Strategic Advisory Group for Energy and as the Chair of the Technical Advisory Group for the ISO TC 242 --responsible for the development of ISO 50001: Energy management systems and related standards.



**Prakash Rao**  
**(510) 486-4410**  
[PRao@lbl.gov](mailto:PRao@lbl.gov)

**Dr. Prakash Rao** is a researcher within the High Tech and Industrial Systems Group at Lawrence Berkeley National Laboratory. Dr. Rao's research interests are to improve industrial energy and water efficiency across the US manufacturing sector through conducting analysis of sector and company specific energy efficiency improvement potential, assisting in the establishment of voluntary programs to reduce industrial energy and water consumption, assessing the energy efficiency improvement potential of the US industrial and commercial motor system base, developing energy management strategies for small to midsized manufacturers, and developing software tools and publications to promote energy efficiency opportunities. Prior to coming to LBNL, Dr. Rao received his doctorate in Mechanical and Aerospace Engineering from Rutgers University where he assisted in the field management duties of the US DOE Industrial Assessment Centers. Dr. Rao received his bachelors in Mechanical Engineering from Carnegie Mellon University.



**Bunmi Adesola**  
**(510) 486-6966**  
[BAdesola@lbl.gov](mailto:BAdesola@lbl.gov)

**Bunmi Adesola** is a Scientific Associate in the Energy Analysis Department of the Lawrence Berkeley National Lab, working primarily on the U.S. Department of Energy Advanced Manufacturing Office BestPractices Program. This has involved developing and implementing various database applications to monitor and evaluate the performance of industrial projects and initiatives; reviewing, editing and co-authoring technical paper abstracts and reports; and coordinating the development of technical curriculum for international projects.

Previously, Bunmi worked with Rolls Royce, plc in the UK, where she was involved in conducting extensive industry related research, implementing quality assurance and benchmarking programs, and supporting the launch of Enterprise Resource Planning.



**Arian Aghajanzadeh**  
**(510) 495-2145**  
[AAghajanzadeh@lbl.gov](mailto:AAghajanzadeh@lbl.gov)

**Arian Aghajanzadeh** is a Scientific Engineering Associate in the High Tech and Industrial Systems Group at Lawrence Berkeley National Laboratory. His work at LBNL is primarily focused on Industrial Demand Response; a collaborative effort between the Industrial Systems Group and the Demand Response Research Center. Arian's research interests are to increase awareness and participation in Demand Response, Energy and Water Efficiency programs within California and US industries. He joined LBNL with a background in tech industry, where he worked for Applied Materials, the world's largest semiconductor equipment and materials company. Arian received his Masters in Chemical Engineering from Cornell University with a focus on Energy Engineering and Economics. At Cornell University, Arian worked on the design, economic and greenhouse gas assessment of space heating and cooling using an absorption heat pump integrating solar, geothermal, and natural gas sources. He received his bachelors of science in Chemical Engineering from University of California, Berkeley.