



Mechanical Engineering  
Academy of Distinguished Alumni

## **Steven M. Trujillo, Ph.D.**

*Distinguished Mechanical Engineer, 2018*

BSAAE, Purdue University, 1988

MSME, University of New Mexico, 1994

Ph.D. ME, The University of Texas at Austin, 1999

*Principal Member of the Technical Staff*

Sandia National Laboratories

Dr. Steven M. Trujillo is a manager in Systems Analysis at Sandia National Laboratories. In this role, Dr. Trujillo leads a team of subject matter experts on a variety of technical topics supporting the application of the Nation's nuclear deterrent. Customers are both internal Sandia management as well as external (NNSA, DoD, other) agencies and advisory panels. This is his second management position; his first was managing a sister department that focuses on characterizing Sandia's execution of its Nuclear Deterrent life cycle mission, servicing a customer base of internal Laboratories leadership.

From 2013 to 2016, Dr. Trujillo was Sandia's technical advisor to the Deputy Administrator for Defense Programs at the National Nuclear Security Administration (NNSA) within the US Department of Energy. In this role, he provided insight to National leadership on stockpile and laboratory capabilities, contributing to high-level work that ultimately was reflected in National policy directives.

Before that, Dr. Trujillo was a member of the department he presently manages, serving in a variety of roles, including as a member of Sandia's support team to DoD elements, analyses of commonality in future stockpile warheads, and advising Sandia's development of the documentary film, "On Deterrence".

From 2006-2010, he was a primary liaison between Sandia's Engineering Sciences Center and New Mexico Weapons Systems Engineering Center, working full-time in a system-engineering role on weapon development programs, as well as being a lead developer of Sandia's future system architecture concepts. The inter-center liaison role brought efficiency and a more natural, knowledgeable interface between the design and analysis communities. A key preparatory element for this role was Dr. Trujillo's completion of Sandia's Weapon Intern Program in 2005.

From 1999 to 2004, Dr. Trujillo was a post-doctoral appointee and staff member in the Engineering Sciences Center, experimentally investigating multiphase flows, and behaviors of materials in fire environments.

Dr. Trujillo is a graduate of Purdue University (BS Aerospace Engineering), the University of New Mexico (MS Mechanical Engineering), and the University of Texas at Austin (Ph.D. Mechanical Engineering). He is Santa Fe native, and sits on the board of directors of The Cancer Foundation for New Mexico, a non-profit foundation providing non-medical patient services to people receiving cancer treatment in Santa Fe.