



Adam D. Williams

Principal R&D Systems Engineer

In his role as a Principal R&D Systems Engineer in the Center for Global Security and Cooperation, Dr. Adam Williams is a principal investigator and subject matter expert on research projects that evaluate vulnerabilities in cyber-physical nuclear systems, manage complex risk in the nuclear fuel cycle, and explore alternatives for the future of the U.S. Cooperative Threat Reduction program. He currently serves the Asia/East Asia Lab Regional Coordinator for the NNSA Office of International Nuclear Security (INS) and leads cutting edge research toward “Invoking Multilayer Networks to Develop a Paradigm for Security Science.”

Dr. Williams collaborates on Laboratory Directed Research and Development (LDRD), Electric Power Research Institute (EPRI), and other U.S. Department of Energy National Nuclear Security Administration (NNSA) initiatives. His work has been published by the Institute of Electrical and Electronics Engineers (IEEE), the International Council on Systems Engineering (INCOSE), the *Journal of Nuclear Materials Management*, the Association of Computer Machinery (ACM), and the *Nonproliferation Review*. In addition to leading Sandia’s *Nonproliferation Mentorship Program*, Dr. Williams also supports Sandia National Laboratories’ nuclear security-related academic endeavors with the University of New Mexico, Texas A&M University, the University of Texas, Khalifa University of Science and Technology, and the Kiev Polytechnic Institute.

During his career at Sandia, Dr. Williams has served as the Sandia program manager for the U.S. Department of State’s (DOS) Partnership for Nuclear Threat Reduction, and has been involved in numerous nuclear security-related projects, including conducting vulnerability assessments, designing physical protection systems, and planning other international security engagement projects within the NNSA and DOS. He served as project manager for the Gulf Nuclear Energy Infrastructure Institute in Abu Dhabi and was the Physical Protection lead for the U.S. delegation charged with assisting in the development of the Joint China/U.S. Center of Excellence in Nonproliferation and Nuclear Security.

Dr. Williams earned his Ph.D. in Engineering Systems, Human-Systems Engineering from the Massachusetts Institute of Technology in 2018. He also has an M.A. in international affairs the George Bush School of Government and Public Service at Texas A&M University (TAMU) in 2007 and graduated magna cum laude with a B.S. in Mechanical Engineering from TAMU in 2004.

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Sandia National Laboratories
adwilli@sandia.gov

P.O. Box 5800, MS-0101
Albuquerque, NM 87185-0101