Historical Approaches to International Control of the Civilian Nuclear Fuel Cycle and an Introduction to the 3S System

Dr. Amir Mohagheghi, Manager, Global Security Research and Analysis (GSRA), Sandia National Laboratories

Abstract:

This talk provides an interactive overview of nuclear material control, nonproliferation history, and policy as well as an introduction to the nuclear Security, Safeguards, and Safety (3S) concept.

Bio:

Dr. Mohagheghi has over 18 years of experience leading track II events in the Middle East, East and Southeast Asia, and South Asia. These events are closely coordinated with the DOS and NA20 to ensure the USG NP/AC objectives are met and supported. Dr Mohagheghi oversees research, analysis, evaluation, and implementation of technology, policy, and global cooperative engagements to reduce risks from nuclear and radiological threats. He has over 28 years of experience at Sandia with a broad scientific and policy background ranging from basic research in atomic physics, applied radiation measurements in health physics, rad waste, and emergency response to nuclear non-proliferation technologies, agreements, and treaties. He is also an adjunct professor at the University of New Mexico where he helps teach a course on nuclear science and policy.