

—ADVANCING— INFCIRC/908 INTERNATIONAL —WORKING GROUP—



INSIDER THREAT
MITIGATION

Dr. Gary Ackerman Presents:

Advanced Red Teaming to Evaluate and Enhance ITM Processes

Multiple risk assessments, as well as empirical evidence, indicate that insiders continue to pose a major threat to nuclear security. At the same time, red teaming, the process of emulating adversary actions in order to improve defenses, has long been utilized to explore emerging threats, identify unforeseen vulnerabilities and test existing defenses. This session will explore how new techniques of red teaming, which can be conducted experimentally and at scale, can be applied to both understanding and mitigating insider threat management programs, especially in the nuclear sector.



Webinar Details

Wednesday, 17 September 2025

10:00 EDT (16:00 CEST) – 11:00 EDT (17:00 CEST)

Contact Us: 908Events@pnnl.gov

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*Zoom link provided after registration



About the Speaker

Gary Ackerman, PhD, is a Professor of Homeland Security at the University at Albany (SUNY) and the CEO of Nemesys Insights, LLC, a strategic analysis and advisory company. He is the founder of the Center for Advanced Red Teaming, and the Unconventional Weapons and Technology Division of the National Consortium for the Study of Terrorism and Responses to Terrorism. Ackerman's research focuses on understanding how terrorists and other adversaries make tactical, operational and strategic decisions, particularly regarding innovation in their use of weapons and tactics. He has done extensive research on emerging nuclear threats and has testified on terrorist motivations for using nuclear weapons before the Senate Committee on Homeland Security. Dr. Ackerman has headed more than fifteen large government-sponsored research projects in the past ten years dealing with various aspects of national security policy and operations. He is the co-editor of *Jihadists and Weapons of Mass Destruction* (2009), the editor of "Designing Danger: Complex Engineering by Violent Non-State Actors" (special issue of the *Journal of Strategic Security*, 2016) and author of over seventy publications, including being published in both *Science* and *Nature*.

