



Defense Personnel Analytics Center (DPAC)
U.S. Department of Defense

Academic Programs & Research Initiatives on Insider Threat Mitigation

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(NNSA) Second International Insider Threat Symposium

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- The Threat Lab was established by the U.S. Department of Defense (DOD) Personnel and Security Research Center (PERSEREC) in 2018.
- Our mission is to integrate social and behavioral science research into the insider threat mission space to inform evidence-based practice.
- Many of our research reports and research-based products are available for free online.
 - <https://www.dhra.mil/perserec/threat-lab-toolkit>
- The Threat Lab online toolkit includes games, graphic novels, infographics, job aids, newsletters, playbooks, podcasts, videos, white papers, and insider threat case studies.
- We also publish Counter-Insider Threat Research and Practice (CITRAP), an unclassified, online, open-access, peer-reviewed journal, in partnership with the DoD Counter-Insider Threat Program and the National Insider Threat Task Force (NITTF)
 - <https://www.citrap.scholasticahq.com>



To effectively deter, detect, and mitigate insider threats, governments and organizations should:

- 1) Leverage the Social and Behavioral Sciences in addition to Technological Safeguards
- 2) Conduct Initial and Continuous Personnel Screening and Assessment
- 3) Promote Help Seeking and Mental Health Care; Work to Reduce Stigma
- 4) Examine Behavioral Indicators, Not Demographics, to Identify Threats
- 5) Improve Organizational Culture and Reduce Stressors that Fuel Grievances

Centre for Science and Security Studies, King's College London

Research at intersection of science and security

Founded 2003

15-20 full-time academic, research and professional service staff

Topics:

- Nuclear energy: Security, safeguards & more
- Critical infrastructure (e.g. nuclear plants)
- Nuclear strategy, disarmament, arms control
- Global nuclear control regimes and multilateral nuclear diplomacy
- Proliferation-relevant trade and finance
- Security policy and communication
- Open-source intelligence



Insider Threat Activities at King's College London

Nuclear Security Culture Programme

A key element of the activities conducted under this programme, with a focus on organisational programmes aimed at mitigating insider threats

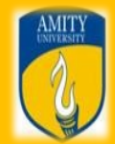
A range of original research:

- Nuclear security in times of crisis
- Nuclear security and insider threat educational handbooks
- Security and safeguards considerations for novel advanced reactors
- <https://www.kcl.ac.uk/csss/research/nuclear-security/insider-threats>

Novel insider threat challenges

For evolutionary and innovative reactor designs

- Isolated nuclear facilities
 - Remote operation
 - Minimised staffing
 - Shipyard construction
 - Artificially intelligent insiders
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- For all nuclear activities
 - Counterfeit, fraudulent, and suspect items (CFSI) in the nuclear supply chain
 - Nuclear energy disinformation



Academy for Professionalization and Development of Insider Risk Professionals

- **Mission:** **Professionalize**, **Develop**, and **Sustain** the workforce
 - ***Global Counter-Insider Threat Professional (GCITP) Certification Program***
 - Professional certification exam based on essential body of work and essential body of knowledge necessary to perform in the counter-insider threat role
 - Requires the certificant to maintain the certification by completing a specified number of continuing education/training units
 - Open to private industry, academia, and government personnel (as well as the general public) who meet the eligibility criteria
 - ***Insider Risk Management & Mitigation Graduate Certificate Program***
 - Can be completed in 1 to 2 academic year(s) – 4 courses (12 total credits)
 - Plans for adding new courses in the future
 - Development of an undergraduate program in the future
 - ***Skills Development and Professional Training Capstone Program***
 - Professional training program designed to sustain existing and develop new technical skills needed to perform insider risk management & mitigation tasks
 - Training courses vary in length, and can be customized to meet specific requirements
- **Contact:** Steve S. Sin, Ph.D.; sinss@umd.edu; +1-301-405-6656
 - * GCITP: gcitp@umd.edu; <https://gcitp.umd.edu>
 - * Graduate Certificate Program: insider.risk.management@umd.edu