

STUDENT UNION LITTLE THEATER | MARCH 25, 2025, 7PM DESSERT RECEPTION FOLLOWING



COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

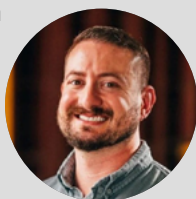
FPSET SEMINAR SERIES

Protective Design and Consulting: Investigation, Proof Testing, Analytical Validation, and Applied Research

ABSTRACT

Part 1 – Protecting personnel and assets from hazardous events; understanding the phenomena and consequences, mitigating risks, and experimental work that validates system behaviors and solutions.

Part 2 – Further applied research in impulsive noise testing and analysis for small arm weapon systems; helping to quantify hazards to system operators and personnel.



JAY IDRIS, PE, CFEI

Jay Idriss is the Manager of the Wilfred E. Baker Test Facility as well as a Principal Engineer at BakerRisk. He is an experienced structural dynamicist specializing in describing and understanding how structures respond to blast loads, heat hazards, and fragment impacts. At his core, Jay loves problem-solving, and he works hard to provide solutions that are perfect for clients. Jay previously worked at the U.S. Department of Defense. Now he provides cutting-edge experimental, testing, and analytical work at BakerRisk by helping to plan tests involving the massive air-driven shock tubes, as well as BakerRisk's fuel-air explosion devices to simulate full-scale vapor cloud explosions, and full-scale high-explosive experimentation. Jay also serves as the Technical Director of the PEW Science laboratory and is a licensed and practicing Professional Engineer. His professional practice and research areas include anti-terrorism/force protection, dynamic analysis, design, litigation support, testing, and hazard characterization in response to energetic events and weapons effects. He has consulted and developed technologies for the warfighter, US Service Labs, Department of State, Centers for Disease Control and Prevention, Federal Bureau of Investigation, Intelligence Community, and significant parties in the world-wide private energy sector. He's also a gun guy.

