

UNIVERSITY OF RHODE ISLAND
Department of Chemistry
SEMINAR

3:00 P.M., Monday, October 3, 2022
Room 105 – Beaupre Center

Prof. Nick Glumac
University of Illinois Urbana-Champaign
Mechanical Science & Engineering

**Combustion and Chemical Agent Defeat:
Thermochemistry and Diagnostics**

Experimental efforts focused on characterizing the thermochemical environments associated with chemical agent defeat scenarios are discussed. The thermochemistry of chemical agent decomposition requires a novel approach to infrared diagnostics in order to capture the time-resolved chemistry. The design of the specialized instrumentation is discussed, and experimental results for sample systems are presented, along with initial comparisons with detailed models with explicit chemistry.

HOST
**Jimmie Oxley Department of Chemistry 401-874-
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