

NSRI & UNIVERSITY OF NEBRASKA CAPABILITIES

NSRI, with research faculty at the University of Nebraska, is poised to support the top national priority of nuclear deterrence and risk reduction through a range of research areas.

ACADEMIC WARGAMING CENTER

- ◆ Academic-focused exploration of wargaming as a learning tool
- ◆ Participants can test theories about complex, real world problems
- ◆ Enables creativity with no pre-defined, "textbook" solutions
- ◆ Failure is allowed (and encouraged) to gain insights
- ◆ Provides an experiential leadership and group dynamics laboratory

ARMS CONTROL AND NONPOLIFERATION

- ◆ Treaty monitoring technology R&D
- ◆ Arms control policy research
- ◆ Nonpoliferation threat analysis
- ◆ Nuclear nonpoliferation detection R&D
- ◆ Treaty break-away potential
- ◆ Relevant net assessments to support future diplomatic efforts

WEAPONS POLICY

- ◆ Foreign threat analysis
- ◆ Deterrence, assurance requirements
- ◆ Conceptual weapon design
- ◆ Strategic materials production

CONSEQUENCE MANAGEMENT

- ◆ Precision nuclear forensics
- ◆ Nuclear detection technologies
- ◆ Hazard modeling
- ◆ Disaster mitigation research
- ◆ Radiological decontamination and medical countermeasures

ENTERPRISE SUPPORT TECHNOLOGIES

- ◆ NC3 technology R&D
- ◆ NC3 concepts and architecture
- ◆ High-performance non-nuclear materials research
- ◆ Non-nuclear component advanced manufacturing research
- ◆ Nuclear security, certification research

CONFLICT DETERRENCE AND ESCALATION DYNAMICS

- ◆ Tabletop exercises
- ◆ Nuclear conflict wargames
- ◆ Escalation dynamics model development
- ◆ Decision support tools
- ◆ Nuclear deterrence education
- ◆ Operational, tactical planning support