



**USAF Center for Strategic
Deterrence Studies**
AWC/CSDS, 125 Chennault Circle
Maxwell AFB, AL 36112-6427



Annual Report – Academic Year 2019

Mission: Develop Air Force, DoD, and other USG leaders to advance the state of knowledge, policy, and practices within strategic defense issues involving nuclear, biological, and chemical weapons

Goal 1: *Educate Airmen and other USG leaders on how to think critically about the operational and strategic implications of strategic deterrence within the context of military operations*

Professional Military Education:

- Air War College electives: Deterrence Research Task Force: two-term elective on strategic deterrence and nuclear weapons issues (10 Air War College students and six Air Command and Staff College students); Arms Control and Nonproliferation (short course)
- Air War College/Air Command and Staff College joint electives: Homeland Security and Defense
- Air Command and Staff College electives: The Manhattan Project (Leadership); Nuclear Wargames
- Field trips to HQ Air Staff, Joint Staff, OSD Policy, OSD A&S, National Nuclear Security Administration, Lawrence Livermore National Laboratory, Los Alamos National Laboratory, Sandia National Laboratory, Oak Ridge National Laboratory, FBI New Orleans Field Office, Immigrations and Customs Enforcement New Orleans Field Office, New Orleans Office of Homeland Security and Emergency Preparedness, U.S. Coast Guard, Centers for Disease Control, FEMA Region IV HQ

Professional Continuing Education (enlisted, officers, and civilians):

- Continued “Strategic Deterrence Basic Course” distance learning for Air Force Global Strike Command, teaching more than a thousand Airmen at multiple AFGSC bases
- Taught a “Strategic Deterrence Basic Course for Executives” for Air Force Global Strike Command senior leaders (going to a biannual frequency in FY19)

Workshops and Courses:

- Taught electives on counter-WMD strategy for Air Force’s CMSgt Leadership Course
- Instructed 63 students at the George C. Marshall Center in Germany on CBRN terrorism

Expert Speakers Visiting Maxwell AFB:

General Timothy Ray, AFGSC
Mr. Kevin Madden, DIA

Dr. Brad Roberts, LLNL



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Goal 2: Produce quality research on relevant strategic deterrence issues that contributes to policy-making while advancing academic scholarship

Original Research:

- CSDS book, "AY18 Strategic Deterrence Research Papers," Dr. James Platte and Dr. Todd Robinson
- Dr. Platte, "Pathways to Trans-Pacific Cooperation in the Nuclear Sector," *National Bureau of Asian Research*, 2018
- Al Mauroni, "The Rise and Fall of Counterproliferation Policy," *Nonproliferation Review*, 2019
- Dr. Lyndon McKown, "Examining Deterrence Options for a High Altitude Electromagnetic Pulse Limited Nuclear Attack," AY19 Horner Award
- Maj Jonathan Gibson, "USAF Posture: Impacts to Japanese Assurance in the Indo-Pak AOR," AY19 Miller Award
- Two electronic journal articles published on the internet ("War on the Rocks")

Information Repositories:

- SharePoint site for educational reference material on nuclear deterrence, arms control and nonproliferation, and counter-WMD issues
- Archive of all books, monographs, and occasional papers on the CSDS website
- "Deterrence Research Knowledge Center" continues to hold a significant listing of educational courses for Airmen as well as academic research papers and other data

Goal 3: Advise Air Force, DoD, and other USG policy-makers by offering critical insights and analysis on current and future (4-15 yrs) challenges posed by nuclear, biological, and chemical weapons

Social Outreach:

- New Facebook page to highlight CSDS activities
- CSDS News & Analysis emailed to more than 1,800 recipients across the national security enterprise – reformatted to highlight 10 stories per journal, weekly distribution
- Growing Twitter presence (635 followers, up from 493 last year), supporting DoD and AF outreach efforts

External Engagement:

- Attended 2018 USSTRATCOM Deterrence Symposium
- Participated in 2019 NDU Counter-WMD Education Consortium meeting
- Presented a cyber deterrence paper to 2019 annual convention of International Studies Association
- Participated in LLNL's Fifth Annual Deterrence Workshop
- Attended 2019 Carnegie International Nuclear Policy Conference