



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



## **Annual Report – Academic Year 2021**

**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: Homeland Security (7 students), Manhattan Project (7 students)
- Air Command and Staff College electives: The Manhattan Project (leadership, 6 students), Homeland Security (5 students),
- Joint (AWC/ACSC) electives: Deterrence Research Task Force: Advanced Deterrence Concepts (5 students), Leadership Theory: Okay, Now How Do I Apply It? (10 students)
- Air Force-wide: two CWMD Policy and Strategy distance learning elective courses (20 students in September, 45 students in April)
- Field trips to Alabama Fusion Cell, Alabama Emergency Management Agency, and 46<sup>th</sup> WMD Civil Support Team

### 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 through the year
- Delayed execution of “Strategic Deterrence Basic Course for Executives” for Air Force Global Strike Command senior leaders to AY22

### Other Virtual Instruction:

- Instructed 30 students at the George C. Marshall Center in Germany on CBRN terrorism through a Zoom lecture in May 2021

### Expert Speakers Visiting Maxwell AFB:

Mr. Mark Meyer (SNL)



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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, “Agroterrorism: National Defense Assessment, Strategies, and Capabilities” edited by Mr. Al Mauroni and Dr. Robert Norton
- CSDS Monograph, “Nuclear, Biological, and Chemical Defense in the 21<sup>st</sup> Century,” by Colonel Rick Jackson
- Dr. James Platte and Dr. Todd Robinson, “Nuclear-armed aggressor or ultimate doomsday prepper? Assessing the grand strategy of a nuclear-armed North Korea,” *Comparative Strategy*, June 2021
- Major John LaMonica, “Invisible Stop Signs: The Impact of Secrecy on Deterrence,” AY20 Miller Award
- Mr. Al Mauroni, “Biological Threats in the DoD CB Defense Program,” Trinity Site Paper, April 2021

### Information Repositories:

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



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***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***

### Workshops and Courses:

- Provided virtual lectures for multiple venues:
  - biodefense discussion with Georgetown University in November,
  - nuclear deterrence panel with USSTRATCOM Annual Deterrence Symposium in December,
  - biothreat discussion for CBRNe conference in December,
  - Syria chemical weapons talk with Army-Navy Club in January, and
  - biodefense discussion for CBRNe talk in February

### Social Outreach:

- Facebook page highlights 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
- Continued Twitter presence (785 followers, up from 738 last year), supporting DoD and AF outreach efforts relating to nuclear deterrence and counter-WMD

### External Engagement:

- Participated in the Jonathan Tucker CBW Symposium in December 2020
- Participated in the U.S. Strategic Command's Deterrence Symposium in December 2020
- Participated in International Studies Association Annual Conference in April 2021
- Participated in the Arms Control Association Annual Conference in May 2021
- Participated in the annual NDU CWMD Conference in June 2021