



Happy Holidays!

 @nuclear_journal

Edited by Rachel Brooks & Ashley Humphrey

We have exciting news - *IJNS* is now indexed with Scopus!

We have had many people inquire about submitting publications to *IJNS* who could not because we were not indexed in Scopus, which was required for their institution's publishing credit. We hope this effort helps more authors publish their work with us!

***IJNS* Student Competition 2020-2021**

By Matthew Fisher and Hanna Adams

Editorial Liaisons for the *IJNS* Student Competition 2020-2021

International Journal of Nuclear Security is accepting submissions for its annual student writing competition. It will be judged by volunteers who are leaders in the field of nuclear security. *IJNS* invites submissions of 3,000 to 5,000 words in four broad categories as they relate to nuclear security: Policy, Law, and Diplomacy; Education and Training; Science and Technology; and Human Reliability. *IJNS* welcomes submissions from students at any level and discipline to encourage valuable research in the broad field of Nuclear Security. The 2020-2021 submission deadline is **Wednesday, March 24th**. Winners will be announced on Monday, April 12th. Please contact Matthew Fisher at mfishe28@vols.utk.edu or Hanna Adams at hadams16@vols.utk.edu to ask any questions.

To submit your competition writing entry: Click "Submit Article" on the left side of the *IJNS* website (<https://trace.tennessee.edu/ijns/>). Log in or create an account for the *IJNS* website. Follow the instructions on the next few pages, clicking "continue" and "accept" when prompted. Provide information about the author(s) and submission on the next few pages and include the code "SWC2021" in the title of your submission. On the page titled "Step 4: Upload Your Manuscript and Related Items," there is a section titled "Document Type." Select "Article," NOT "Student Competition Winner." Click "submit" only ONE time.

OVERVIEW:

- Upcoming Events
- *IJNS* Student Competition 2020-2021
- USSTRATCOM Virtual Deterrence: Nuclear Security Challenges
- Where in the WORLD is Arjun?

This newsletter is designed to keep students, staff, and journal supporters up-to-date on how the journal is impacting global efforts to encourage diversity in theoretical foundations, research methods, and approaches.

UPCOMING EVENTS

- Jan. 12, 2021 12:30 PM ET: NTI Signals in the Noise: Preventing Nuclear Proliferation with Machine Learning & Publicly Available Information; virtual webinar - register on nti.org
- Jan. 18-Feb. 5, 2021: IAEA 15th International Congress of the International Radiation Protection Association (IRPA); the Republic of Korea
- Jan. 25-Feb. 5, 2021: Intensive Course on "WMD Nonproliferation and Security for Women in STEM" in Africa by CNS, MIIS, and AFRICISIS; online - apply now on nonproliferation.org

USSTRATCOM Virtual Deterrence: Nuclear Security Challenges

By Griffin Judy
Assistant Editor

Every field has its challenges, and Nuclear Security is no exception. On October 6, 2020, U.S. Strategic Command (USSTRATCOM) held the second conference of its University of Tennessee Virtual Deterrence Event: National Security Enterprise Roundtable. Experts discussed the origins of the current nuclear enterprise and challenges facing 21st century deterrence.

Infrastructure Problems

Many panelists spoke about the aging Nuclear Security infrastructure in the United States. Deputy Director, Plans and Policy at USSTRATCOM, Brigadier General John Weidner, spoke on the aging infrastructure and difficulties fixing it. Many of the buildings used in Nuclear Security are extremely specialized and

difficult to build. As specialty and difficulty increase, so do cost and production time. Many of the buildings take years to build, making the replacement of old buildings slow. While new buildings are being built, Nuclear Security experts must use old buildings without access to the latest technology.

Communication Problems

Panelists also spoke about communication problems in the Nuclear Security field. Communication problems are both intraorganizational and interorganizational. Director of the Institute of Nuclear Security at the University of Tennessee, Dr. Howard Hall, emphasized the need for building relationships inside and outside the country. Brigadier General Weidner talked about the difficult process of communicating through military and policy departments to foreign military and policy departments. Communication difficulties are compounded

by legal rhetoric, policy rhetoric, and language differences.

Student Problems

All panelists emphasized the need for multidisciplinary students to solve problems. Needed backgrounds include writing, communication, policy, administration, nuclear engineering, and more. Groups and organizations with diverse backgrounds are needed to work on complex issues like Nuclear Security. The panel highlighted the problems that face Nuclear Security in the 21st century but also showed how the problems are being addressed and who/what are still needed to address them. The Nuclear Security field needs a wide range of smart people to help make the world safe.

Where in the WORLD is Arjun?

By Arjun Banerjee (Book Review Editor) and Rachel Brooks (Davis Editorial Fellow)

Back before COVID-19 changed the world and altered international travel, IJNS Author and Book Review Editor Arjun Banerjee was able to visit with a group of sniffer dogs and their trainers, called the Border Security Force (BSF) in India. These skilled pups find bombs and drugs, among other things, like K-9 squads found throughout the world.

