




Happy New Year!

 @nuclear_journal

Edited by Rachel Brooks & Ashley Humphrey

Thank you for joining our bimonthly newsletter email list! We hope you enjoy hearing about *IJNS* and UT nuclear education-related activities.

We are currently working on creating a mailing list using a service such as ListServ through the University of Tennessee, but until then, we will send these newsletters through our official journal email (ijns@tennessee.edu). Please make sure it does not go to your spam mailbox. If you have any questions or need to contact the journal, use the above email and someone will get back with you as soon as possible.

USSTRATCOM to Visit UT Knoxville

By Rachel Brooks
Assistant Editor

The United States Strategic Command (USSTRATCOM) will soon visit the University of Tennessee, Knoxville! UT has been a member of USSTRATCOM's Deterrence and Assurance Academic Alliance for three years. The Alliance aims to increase both nuclear education and coordination between universities and military institutions. George Fields, a UT Ph.D. Candidate in Political Science, is organizing the visit. USSTRATCOM visitors will have the opportunity to tour nearby Oak Ridge National Lab and Y-12 National Security Complex. Tentatively, UT will host a lecture from USSTRATCOM on March 26th and a strategic tabletop exercise on March 27th, 2020. UT will host a group from Western Carolina University at the tabletop event, as well. About the tabletop exercise, Mr. Fields states, "Various departments and groups on campus will constructively engage in a nuclear deterrence scenario, in which participants will act as key players in the decision-making process of handling a global nuclear problem and will learn first-hand how important deterrence is and how it is handled when the heat is turned up." We will feature an article about these events in the newsletter after the visit. We eagerly look forward to this opportunity!

OVERVIEW:

- Upcoming Events
- USSTRATCOM to Visit UT
- Isotopes and Bird Flu, IAEA
- Women in Nuclear, Update
- *IJNS* Needs Reviewers
- Want to Write a Book Review?
- 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

- Feb. 10-14: IAEA International Conference on Nuclear Security: Sustaining and Strengthening Efforts; Vienna, Austria
- Mar. 3-6: IAEA Transport Security Tabletop Exercise in West Africa; Yaounde, Cameroon
- Mar. 11-12: USSTRATCOM 5th Annual Academic Alliance Conference; Iowa State University, Ames, Iowa, USA
- (Tentative) Mar. 25-27: USSTRATCOM Visits the University of Tennessee, Knoxville; Knoxville, TN, USA

Isotopes and Bird Flu: Nuclear's Impact on the Environment and Public Health

By Ashley Humphrey

Associate Editor, Editorial Liaison for Special Issue on Women in Nuclear Security

When we think “nuclear,” we usually think of bombs, but nuclear research is proving to be beneficial in the most surprising ways. This month (Jan. 24, 2020), the International Atomic Energy Agency (IAEA) released an article by Ivancho Naletoski in the IAEA Dept. of Nuclear Sciences and Applications. The article explains a proposed technique for tracking bird migration for investigating the epidemiology and ecology of Avian Influenza (D32030). Wild waterfowl are vectors for the highly pathogenic virus and spread it through fecal water contamination, which increases the threat to public health. More detailed and accurate migratory patterns could help the national disease monitoring programs increase biosecurity and

bio-safety measures. The new technique uses stable isotope ratios in metabolically inert tissues (like feathers), DNA barcoding, and stool samples to determine AIV carriers and species. This is just one of many ways nuclear research aids in the safety and security of the public and environment. For more stories or information, visit iaea.org/newscenter.

IJNS Women in Nuclear Special Issue Update

By Ashley Humphrey

Associate Editor, Editorial Liaison for Special Issue on Women in Nuclear Security

As many of you know, *IJNS* is planning and collaborating on a special issue featuring women in nuclear security. The guest editors and I have decided to move the deadline to November 2020! This means you have more time to submit papers. Follow us on LinkedIn and Twitter for the new submission link.

IJNS Needs Reviewers

By Rachel Brooks

Assistant Editor

As we receive more article submissions for both our regular *IJNS* publications and our upcoming special editions, we need more peer reviewers able to read and comment on manuscripts. If you work or research in nuclear safety, security, policy, education, intelligence, human reliability, or other related fields and would be interested in being a peer reviewer, please contact us at ijns@tennessee.edu.

Want to Write a Book Review?

By Rachel Brooks

Assistant Editor

Alongside articles, *IJNS* publishes book reviews. If you read a book on nuclear security or related topics, please write a review about the book and submit it to *IJNS* through the normal online submission pathway, selecting the type as "book review" instead of "article" on the submission form. If you have any questions about book reviews, please email *IJNS* at ijns@tennessee.edu.

Where in the WORLD is Arjun?

By Arjun Banerjee

Arjun Banerjee, *IJNS* Book Review Editor, shares the same frame with some of the most dedicated women in nuclear security at the International Safeguards Course, which was organized by CNS in association with LLNL and NNSA, at Monterey Bay, California on the eve of the US Open, which was a rare honor. From right to left - Oum Keltoum Hakam (Morocco/ *IJNS* guest editor), Marwa Ibrahim (Egypt), Linnet Nyamweya (Kenya), Arjun Banerjee (India, UT), Nomsa Ndongwe (Zimbabwe), Anastasiia Nechytailo (Ukraine).

