

ICCWS 2020

15th International Conference on Cyber Warfare and Security

12 - 13 March 2020, Norfolk, VA, USA

Mini Track on Cyber Wargaming: Teaching, Testing, Training

Mini Track Co-Chairs: **Dr Joe Adams, Merit Network/University of Michigan, USA** and **Dr. Aunshul Rege, Temple University, Philadelphia, PA, USA**



This track seeks to present current research, lessons learned, and future directions for cyber education and training through games and gamification of curricular material.

Games have been used since the 18th century to teach skills, test plans or procedures, and train people to work together. Used by the military, government, and industry, games have expanded and adapted to current needs. Many cyber operations appear in modern games but the science of how to put them together so that they yield desired results is still more an art than a science. How can cyber educators and practitioners create and administer games that fulfill specific teaching, testing, and training functions? What techniques can be mined from the over 200 years of gaming history? What new tools must be developed to make modern cyber games objective, realistic, and repeatable? Topics of interest include, but are not limited to:

- Environments for cyber games
- Assessment mechanisms and approaches
- Scenario development



Dr. Joe Adams built the Michigan Cyber Range, an internationally recognized cybersecurity education and training program. Retired from the U.S. Army as a colonel, he served as an associate professor at the U.S. Military Academy (USMA) and the chief information officer of the National Defense University among other assignments. His degrees include a B.Sc. in computer engineering from Syracuse University, a M.Sc. in computer systems engineering from the University of Arkansas, and a master's of strategic studies from the U.S. Army War College. His Ph.D. in computer engineering is from Virginia Tech.



Dr. Aunshul Rege is an Associate Professor with the Department of Criminal Justice at Temple University. Her cybercrime/security research on adversarial decision-making and adaptation, organizational and operational dynamics, and proactive cybersecurity is funded by several National Science Foundation grants

Submission Details

In the first instance a 300-350 word abstract is required, to be received by the **23rd August 2019**. Please read the guidelines at <http://www.academic-conferences.org/policies/abstract-guidelines-for-papers/>

Submissions must be made using the online submission form at <http://www.academic-conferences.org/conferences/iccws/iccws-abstract-submission/>

If you have any questions about this track please email: joe@cyberbydesign.net or rege@temple.edu

See more about ICCWS 2020 at <http://www.academic-conferences.org/conferences/iccws>