ICCWS 2020

15th International Conference on Cyber Warfare and Security
12 - 13 March 2020, Norfolk, VA, USA

Mini Track on The art of Cyberwarfare

Mini Track Chair: **Dr Noluxolo Gcaza**, Tshwane University of Technology, Pretoria, South Africa

In this era, the use of computers, online control systems and networks as a means to disrupt the activities of a state and organization is prevalent. Alongside this, is the deliberate attack of information systems for strategic or military purposes that is continuously on the rise. This use of computer technology as a warfighting domain is deemed as cyberwarfare. Cyberwarfare is defined as actions by a nation-state to penetrate another nation's computers or networks for the purposes of causing damage or disruption. It is therefore not a surprise that some governments have made this kind of warfare an integral part of their overall military strategy, with some having invested substantial amounts of resources to establish cyber warfare capabilities.

Cyber warfare is a cross-national issue that requires a multi-disciplinary perspective in order to fully comprehend. It encompasses a variety of attacks, actors and conflicts that may be considered as aspects of cyber warfare. This is a call for a focused effort to decipher the concept of cyber warfare and its impact on national security. As such, this track seeks to synthesize an in-depth understanding of the concept of cyber warfare. Fundamentally, this track serves as a convening platform for academic scholars, military personnel, and practitioners to share and discuss their epistemological and methodological perspectives on cyber warfare.

Topics of interest include, but are not limited to:

- Cyber counter-intelligence
- Military response to cyberwarfare
- Cyber weaponry
- Cyberwarfare attack modes
- National Security
- State-sponsored cyber attacks

Dr Noluxolo Gcaza is passionate about making cybersecurity accessible to different contexts. Her research interests include cyber security governance, cybersecurity awareness and education. Currently she is a Cybersecurity Researcher at the Tshwane University of Technology. She serves on the Advisory Board of the Center for Research in Information and CyberSecurity (CRICS) at Nelson Mandela University. Dr Gcaza also serves as a Board Member in SaveTnet, a non-profit organization that focuses on fostering a culture of cyber security in a community setting through spreading cyber security awareness. She contributes in the SABS standardisation process as a committee member of the Information Security Technical Committee.

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 the mini track chair: *ngcaza@csir.co.za*

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