ICCWS 2024

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Mini Track on Digital Data Deception

Mini Track Chair: **Dr. Char Sample,** ICF Inc. US, Boise State University

Deceptive digital data is one of the greatest challenges that cybersecurity faces. Examples of such data include Stuxnet where the monitors failed to inform the operators of system problems, poisoned training data for AI/ML enabled security products, manipulated weighting of data, and fake news. All of these examples share a common thread of deceptive data being introduced into an unsuspecting environment that has no mechanism to validate data on input. In this session, a disscusion of methods to identify and counter deceptive digital data are of interest. Also, of interest are studies that have examined methods in which deceptive digital data are created and disseminated.

Topics of interest include, but are not limited to:
- Methods of creating deceptive data, such as:
  IoT
  ML training data
  deceptive quantities
  fake news, etc.
- Detecting deceptive data, such as:
  poisoned training data
  IoT
  fake news, etc.
- Comparative analysis between deceptive data techniques

Dr. Char Sample is a researcher with ICF. Dr. Sample also teaches at Boise State University. She has given guest lecturers at Bournemouth University, Rensselaer Polytechnic University and Royal Holloway University. Dr. Sample has over 20 years' experience in the information security industry. Dr. Sample's research focuses on deception, and the role of cultural values in cybersecurity events. More recently she has begun researching the relationship between human cognition and machines. Presently Dr. Sample is continuing research on modeling cyber behaviors by culture, other areas of research are data resilience, cyber-physical systems and industrial control systems.

Submission Details

In the first instance a 300-350 word abstract is required, to be received by the **4th September 2023**. 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: charsample50@gmail.com

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