DeapSECURE: Data-Enabled Advanced Training Program for Cyber Security Research and Education

NSF CI TRAINING

How to apply: https://goo.gl/forms/kwt3SRDEeUsOCZrL2

2018-19 Workshops

10/18: Unraveling Cybercrime Using Supercomputer?

11/18: Analyzing Social Behavior in Cyberspace

01/19: Wireless Attacks in the Making!

02/19: Radio Frequency Signal Intelligence

03/19: Secret Computation: HPC for Cryptography

04/19: Get it Done Fast! Parallel Programming with OpenMP, OpenACC, MPI

Who can participate

The CI workshops are free and open to all ODU students. Seats are limited. To apply, please click on the link above.

Who will teach

The workshops will be taught jointly by cybersecurity and HPC experts, with an emphasis on the practical use of advanced CI techniques and tools in the context of cybersecurity research.

As the volume and sophistication of cyber-attacks grow, cybersecurity researchers, engineers and practitioners heavily rely on advanced cyberinfrastructure (CI) techniques such as big data, machine learning, and parallel programming, as well as advanced CI platforms, e.g., cloud and high-performance computing to assess cyber risks, identify and mitigate threats, and achieve defense in depth. However, CI techniques have not been widely introduced in undergraduate and graduate cybersecurity curricula. This project introduces a unique Data-Enabled Advanced Training Program for Cyber Security Research and Education (DeapSECURE), aimed to prepare undergraduate and graduate students with advanced CI techniques and teach them to use CI resources, tools, and services to succeed in cutting-edge cybersecurity research and industrial cybersecurity projects.

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