The Consortium for Enabling Technologies & Innovation (ETI)

Annual Summer School

Part I (Virtual) Theme: Data Science and Engineering
August 24 – August 28, 2020

Summer school meeting will begin at 11 a.m. ET

Register by July 15, 2020, at

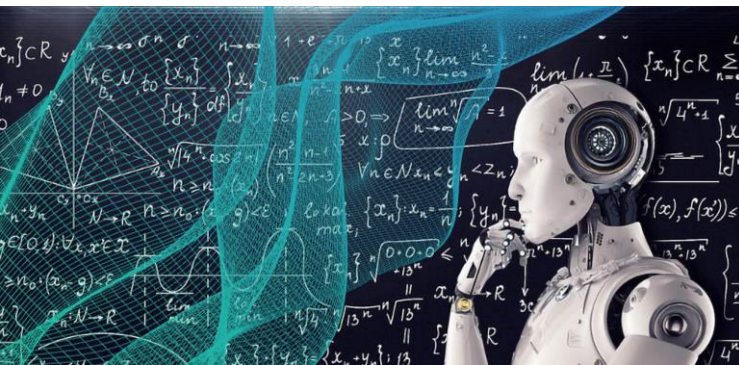https://forms.gle/pjTC4NGgnnrKdoLc6

Data science methods will be introduced, including hands-on tutorials on nonproliferation applications.

Join us! Here's what you'll get:

1. Connection between applications and data science
2. Education on the key topics
3. Introduction of resources
4. Immersive collaborative environment

Topic Areas (Modules):

- Day 1 – Fundamentals of Data Applications
  Steve Biegalski (Georgia Tech)
- Day 2 – Computational Machine Learning
  Alfred Hero (University of Michigan)
- Day 3 – Bayesian Modeling and Inference
  John Fisher (MIT)
- Day 4 – Data Science for Safeguards
  Karl Pazdernik (PNNL)
- Day 5 – Applications

  - Overview of UAV Technology, *Jonathan Rogers (Georgia Tech)*
  - Critical Aspects of Applying Machine Learning to Nuclear Threat Detection Problems, *Simon Labov (LLNL)*
  - Proliferation Detection Relevant Data Streams and Types, *Will Ray (ORNL)*
  - Nuclear-Data Analytics, *Vlad Sobes (University of Tennessee)*
  - Radiation Detection Data Analytics, *James Ghawaly (ORNL)*

https://eti.gatech.edu

Georgia Tech