iHub-Data in association with IIIT Hyderabad is celebrating International Day for Women in Science and Technology on Friday, 11 February 2022, from 6:00 PM to 8:00 PM.

There will be two invited lectures by eminent women scientists.

"Attribute-based Access Control Paradigm"
by Prof. Vijayalakshmi Atluri, Rutgers University
partnered with Dr Gunjan Batra, Kennesaw State University

Abstract: The primary focus of the talk will be on ABAC Mining that automatically discovers ABAC policies and incrementally maintain them. The flexibility, scalability, portability, dynamic nature and identity-less features of Attribute Based Access Control (ABAC) make it an attractive choice for enforcing fine-grained access. However, in order to realize the true benefit of ABAC, it is necessary to develop mechanisms to effectively configure, deploy, maintain, and manage it.

"Cybersecurity and Machine Learning"
by Prof. Bhavani Thuraisingham, University of Texas, Dallas

Abstract: Machine Learning and Security are being integrated to solve security and privacy challenges. For example, machine learning techniques are being applied to solve security problems such as malware analysis and insider threat detection. However, there is also a concern that the machine learning techniques themselves could be attacked. Therefore, the machine learning techniques are being adapted to handle adversarial attacks. Furthermore, due to privacy violations caused by machine learning, privacy enhanced machine learning techniques are being developed. To assess the developments on the integration of Data Science/Machine Learning and Security over the past decade and apply them to the Internet of Things, the first part of the presentation will examine the developments on applying Data Science techniques for detecting cyber security problems such as insider threat detection as well as the handling attacks to machine learning techniques. Some developments on privacy aware and policy-based data management frameworks will also be discussed.

Particulars of Online Event:
Topic: International Day for Women in Science and Technology.
Time: Feb 11, 2022 06:00 PM IST
Zoom link: https://iiit-ac-in.zoom.us/j/99894844358
Meeting ID: 998 9484 4358

ALL ARE INVITED