



DEPARTMENT OF COMPUTER SCIENCE
THE ERIK JONSSON SCHOOL
OF ENGINEERING & COMPUTER SCIENCE

Grace Series Talk

Grace Series Talks are Women Empowerment Talks for all Grad and Undergrad Students in Computer Science and Software Engineering

Wednesday, September 9, 2020
7pm – 8pm
Location: MSTeams
Online



Talks to:
***Empower**
***Enrich**
***Inspire**

“Integrating Cyber Security and Data Science: Diversity and Inclusion”

By: Dr. Bhavani Thuraisingham, UTD Computer Science Professor

Louis A. Beecherl Jr. Distinguished Professor

Fellow of ACM, IEEE, AAAS and NAI

Founders Chair Professor, Department of Computer Science

Founding Executive Director of the Cyber Security Research and Education Institute, and

Co-Director of Women in Data Science and Women in Cyber Security Centers

The representation of women and underrepresented minority communities have increased a great deal in Engineering and Computer Science. However, in many disciplines of Computing including in Cyber Security and Data Science, women and minority communities are vastly under-represented. While the female population is around 10% in cyber security and around 25% in data science the minority communities such as the African American communities are even less. There is an urgent need to address this substantial under-representation of women and minority communities in cyber security and data science. The presentation will first provide a technical discussion on the integration of cyber security and data science including topics such as machine learning for malware analysis, adversarial machine learning and data privacy and then discuss why women and minority communities should pursue a career in such a high demand field.

Dr. Bhavani Thuraisingham is the Founders Chair Professor of Computer Science and the Executive Director of the Cyber Security Research and Education Institute at the University of Texas at Dallas. She is an elected Fellow of the ACM, IEEE, the AAAS, the NAI. Her research interested are on integrating cyber security and artificial intelligence/data science for the past 35 years. She has received several awards including the IEEE CS 1997 Technical Achievement Award, ACM SIGSAC 2010 Outstanding Contributions Award, the IEEE Comsoc Communications and Information Security 2019 Technical Recognition Award, and the ACM CODASPY 2017 Lasting Research Award. Her work has resulted in 130+ journal articles, 300+ conference papers, 170+ keynote and featured addresses, six US patents, and fifteen books.



Grace Series CONTACTS are Computer Science Faculty:

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