

Workshop on Big Data for Cybersecurity (BigCyber 2019)

Workshop Chairs: Dr Karuna Joshi & Dr. Bhavani Thuraisingham

Time	Title	Presenter/Author
8:00 to 8:10 am	Opening Remarks	Dr. Karuna Pande Joshi, Assistant Professor, Dept. of Information Systems, UMBC
8:10 to 8:30 am	<i>Extracting Rich Semantic Information about Cybersecurity Events</i>	Taneeya Satyapanich, Tim Finin, and Francis Ferraro
8:30 to 8:50 am	<i>An Extremely Lightweight Approach for DDoS Detection at Home Gateways</i>	Gabriel Mendonça, Gustavo Santos, Edmundo de Souza e Silva, Rosa Leão, Daniel Menasché, and Donald Towsley,
8:50 to 9:10 am	<i>Intelligent Feature Engineering for Cybersecurity</i>	Paul Maxwell, Elie Alhajjar, and Nathaniel Bastian
9:10 to 9:30 am	<i>The Effectiveness of Edge Centrality Measures for Anomaly Detection</i>	Candice Mitchell, Rajeev Agrawal, and Joshua Parker
9:30 to 9:50 am	<i>SecP2I : A Secure Multi-party Discovery of Personally Identifiable Information (PII) in Structured and Semi-structured Datasets</i>	Amine Mrabet, Mehdi Bentounsi, and Patrice Darmon
9:50 to 10:10 am	<i>Streaming Temporal Graphs: Subgraph Matching</i>	Eric Goodman and Dirk Grunwald
10:10 to 10:30 am	<i>Deepfake Detection and Challenges – A Study</i>	Md. Shohel Rana and Andrew H. Sung
10:30 to 10:45 am	Coffee Break	
10:45 am	<i>Keynote Speaker Introduction</i>	Dr. Rajeev Agrawal, PhD Computer Scientist, Information Technology Laboratory, Engineer Research and Development Center, U.S. Army Corps of Engineers
10:45 to 11:30 noon (Keynote)	<p style="text-align: center;"><i>Exploring the role of Big Data in Defensive Cyber Deception and Adaptive Moving Target Defenses</i></p> <p style="text-align: center;">by <i>Dr. Sunny James Fugate, Ph.D.,</i> <i>Senior Scientific Technical Manager for Cyber Warfare, Cyber / Science & Technology Department, Naval Information Warfare Center, Pacific</i></p>	
11:30 to 11:50 pm	<i>Are We Really Protected? An Investigation into the Play Protect Service</i>	Shinelle Hutchinson, Bing Zhou, and Umit Karabiyik
11:50 to 12:10 pm	<i>Considering the Blackbox: An Investigation of Optimization Techniques with Completely Balanced Datasets of Packet Traffic</i>	Bruce Hartpence and Andres Kwasinski
12:10 to 12:15 pm	Closing Remarks	
12:15 to 1:30 pm	Lunch	