

16th ANNUAL SYMPOSIUM ON INFORMATION ASSURANCE (ASIA '21)

DAY 1: Tuesday, June 8, 2021 (9:00am – 4:30pm)

MORNING SESSION & KEYNOTE (9:00 am– 10:30am)

Welcome Address: NY State ITS

Keynote: Kevin Mandia, CEO, FireEye

BREAK – Base of the Egg (10:30 am – 11:00 am)

SYMPOSIUM SESSION 1: Cyber Security Battleground (11:00 am– 12:00 pm)
Chair: George Markowsky

Paper: Scalable Infrastructure for Blue-Red Team Competitions. (SIBRTCS)

Ali Alamri, Mohammed Alshehri, Daryl Johnson and Bill Stackpole, *Rochester Institute of Technology*

Paper: CSEC NEXUS: Gamification of Cyber Security

David Scudo, Daryl Johnson and Bill Stackpole, *Rochester Institute of Technology*

LUNCH– Base of the Egg (12:00 pm – 12:30 pm)

SYMPOSIUM SESSION 2: Cyber Deception (12:30 pm – 1:00 pm)
Chair: Prinkle Sharma

Paper: Categorizing & Aligning Cyber Deception Techniques with Industry Frameworks

Jamison Scheeres and Bill Chu, *UNC Charlotte*

SYMPOSIUM SESSION 3: Insider Threat (1:00 pm – 3:00 pm)
Chair: Sanjay Goel

Discussion: Insider Threat Discussion Panel

Merrill Warkentin, *Mississippi State University*, Craig Orgeron, *Amazon Web Services*, Stephanie Jaros, *US Department of Defense Personnel and Security Research Center*, Karen Renaud, *University of Strathclyde*, Rob Gatlin, *Wells Fargo* and Steven Furnell, *University of Nottingham*

BREAK – Base of the Egg (3:00 pm – 3:30 pm)

SYMPOSIUM SESSION 4: Cyber Security Threats and Challenges (3:30 pm – 4:30pm)
Chair: Daryl Johnson

Paper: High Level view of Cyber Security

George Markowsky, *Missouri University of Science and Technology*

Paper: Analysis of Data Breaches in the U.S. Healthcare Provider Sector

In-Lee, *Western Illinois University*

END OF DAY 1

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DAY 2: Wednesday, June 9, 2021 (9:00am – 4:30pm)

MORNING PLENARY SESSION & KEYNOTE (9:00 – 10:30am)

Welcome Address: Dr. Sanjay Goel, *University at Albany, SUNY*

Keynote: Joe Weiss, Managing Partner, *Applied Control Solutions, LLC*

BREAK – Base of the Egg (10:30 – 11:00am)

SYMPOSIUM SESSION 5: Cyber Security Frameworks (11:00 am – 12:00 pm)

Chair: Daryl Johnson

Paper: Web-based Cybersecurity Framework Exercises

Delbert Hart, *University at Plattsburg, SUNY*

Paper: CoD3: A Collaborative & Distributed Framework for Defending Distributed Denial of Service (DDoS) Attack

Ashutosh Dutta, *UNC Charlotte*, Ehab Al-Shaer, *Carnegie Mellon University* and Bei-Tseng Chu, *UNC Charlotte*

LUNCH – Base of the Egg (12:00 pm – 12:30 pm)

SYMPOSIUM SESSION 6: Applied Cyber Security (12:30 pm – 1:30 pm)

Chair: George Markowsky

Paper: Taxonomy of Applications of Artificial Intelligence for Cyber Security Administration

Jordan Shropshire, Madelyn Allen and Ryan Benton, *University of South Alabama*

Paper: Leveraging Weakness in Human Vision for Printed Covert Channels

Lukas Vacula and Daryl Johnson, *Rochester Institute of Technology*

BREAK – Base of the Egg (1:30 pm – 2:00 pm)

SYMPOSIUM SESSION 7: Network Security (2:00 pm – 3:00pm)

Chair: Prinkle Sharma

Paper: Security in Software-Defined Networks

Oluwatola Adeniyi, Mojisola Ayeni, Digvijay Chauhan, Ugochukwu Ezidonye, Vishwa Patel and Sergey Butakov, *Concordia University of Edmonton*

Paper: Additional Security Mechanism in Single Packet Authorization

Sukhraj Brar and Sergey Butakov, *Concordia University of Edmonton*

NETWORKING BREAK – Base of the Egg (3:00 pm – 3:30 pm)

SYMPOSIUM SESSION 8: Security Audit (3:30 pm – 4:30 pm)

Chair: George Markowsky

Paper: Audit and Assurance Program for NoSQL DMBS

Hitesh Bhola, Kanwarpreet Brar and Sergey Butakov, *Concordia University of Edmonton*

Paper: IT Audit Transformation: Impact of Pandemic and Role of Fintech

Aeshita Tewari, Sai Teja Bollina, Xiyi Zou, Gunju Lee, *University at Buffalo, SUNY* and Dr. Manish Gupta, *M&T Bank*

CLOSE OF CONFERENCE