

USCA, Ethridge Lobby, Thursday Feb 5th, 4:30-6:00PM

*The **Workforce Development Reception and Poster Session** provides a collaborative forum for students, educators, employers, and regional partners to connect around cybersecurity, AI, and innovation-focused workforce pathways. This event highlights student research, applied learning projects, and capstone work aligned with real-world challenges in cyber defense and critical infrastructure protection. Attendees will have the opportunity to engage directly with emerging talent, explore workforce development initiatives, and strengthen partnerships that support experiential learning, internships, and career placement. The reception fosters meaningful dialogue between academia, government, and industry while showcasing the next generation of cyber professionals driving regional innovation.*

[CSRA Cyber and Innovation Exchange: Schedule](#)

Poster 1

Title: Accelerated Anomaly Detection on IoT Traffic Using SmartNICs

Names: Sergio Elizalde, [Ali AlSabeH*](#), Ali Mazloum, Amith GSPN, Elie Kfoury, Jorge Crichigno

Organization affiliation: USCA and USC-Columbia

Poster 2

Title: Achieving Line Rate TLS SNI Inspection in the Data Plane using P4 and DPDK

Names: Sergio Elizalde, [Ali AlSabeH*](#), Ali Mazloum, Amith GSPN, Elie Kfoury, Jorge Crichigno

Organization affiliation: USCA and USC-Columbia

Poster 3

Title: Efficient Intrusion Detection and Classification of Malware Traffic using Machine Learning

Names: Kushal Mankar, [Ali AlSabeH](#)

Organization affiliation: USCA

Poster 4

Title: Securing Smart Grids: A Deep Reinforcement Learning Approach for Detecting Cyber-Attacks

Names: [Ahmed T. El-Toukhy](#), I. Elgarhy, M. Badr, M. Mahmoud, M. Fouda, M. Ibrahim, and F. Amsaad

Organization Affiliation: USCA

Poster 5

Title: Countering Evasion Attacks for Smart Grid Reinforcement Learning-Based Detectors

Names: [Ahmed T. Eltoukhy](#), M. Mahmoud, A. Bondok, M. Fouda, and M. Alsabaan

Organization Affiliation: USCA

Poster 6

Title: Repetitive Backdoor Attacks and Countermeasures for Smart Grid Reinforcement Incremental Learning

Names: : [Ahmed T. Eltoukhy](#), M. Badr, I. Elgarhy, M. Mahmoud, M. Alsabaan, and T. Alshawi

Organization Affiliation: USCA

Poster 7

Title: Investigating Mathematics Education

Names: James Fleece, Tara McGee, Sabbaak Waraich, [Hala Strohmier](#)

Organization Affiliation: USCA

Poster 8

Title: Event Data Collection and Analysis

Names: Ty Bartholomew, Kohl Kennedy, Haley Mallett, Orion Wisham, Chris Clark, [Hala Strohmier](#)

Organization Affiliation: USCA

Poster 9

Title: Exploring ISC/SCADA Network Vulnerabilities

Names: Aaryan R Londhe, Brian Kram, Ronit Pawar, [Hala Strohmier](#), Chris Clark

Organization Affiliation: USCA, Summer Scholars Institute

Poster 10

Title: Internet Safety Game for Kids

Names: Nathan Gray, Issac Vaughn, Nico Haisten, and Keja Wright-Thompson, Rao Li

Organization Affiliation: USCA, Summer Scholars Institute

Poster 11

Title: Efficient Intrusion Detection and Classification of Malware Traffic using Machine Learning

Name: Kushal Mankar

Affiliation: Master Student at USCA in MCIS/ SOC Analyst

Poster 12

Title: South Carolina National Guard Opportunities and WFD

Name: Todd Shealy

Affiliation: South Carolina National Guard

Poster 13

Title: Grid Enabled Cyber Operations (GECO) Range

Name: SRNL Staff

Affiliation: SRNL

Poster 14

Title: The Power of Proximity

Name: SRNL Staff

Affiliation: SRNL

Poster 15

Title: Avail- Immersive Technologies

Name: SRNL Staff

Affiliation: SRNL

Poster 16

Title: Powering Progress: Strategic Partnerships Accelerating Energy Innovation

Name: SRNL Staff

Affiliation: SRNL and SC Nexus

Poster 17

Title: David Baldwin

Name: Medical Device / IoT Cybersecurity

Affiliation: SRNL

Poster 18

Title: Glenn Fink

Name: AutoSOC (Security Operations Center)

Affiliation: SRNL

Poster 19

Title: William Johnson

Name: GECO (Grid Enhanced Cyber Operations)

Affiliation: SRNL