2023 VICEROY CYSER SUMMER WORKSHOP SCHEDULE

WASHINGTON STATE UNIVERSITY, PULLMAN, WA

MAY 22 – JUNE 1

Day	Time	Event	Location
Mon May 22	Morning	8:00 AM – 9:00 AM: **Registration**	Todd Hall 203
		9:00 AM – 9:15 AM: **Welcome** Dr. Haluk Beyenal, Assoc. Dean of Research Voiland College of Engineering and Architecture, Washington State University (WSU)	
		9:15 AM – 9:30 AM: **WSU's Commitment to Cybersecurity** Dr. Partha Pande, Professor and Director of Electrical Engineering & Computer Science (EECS), WSU	
		9:30 AM – 10:30 AM: **Workshop Overview and Generative Machine Learning for Security** Dr. Assefaw Gebremedhin, Assoc. Professor, EECS, WSU	
		10:30 AM – 10:45 AM: **Break**	
		10:45 AM – 11:45 AM: **Legacy Systems Management and Security** Julia Stachofsky, PhD Candidate, CySER Mentor, Management Information Systems and Entrepreneurship (MISE), WSU	
		11:45 AM – 1:00 PM: **Lunch**	
	Afternoon	1:00 PM – 2:00 PM: **Human-in-the-loop Anomaly Detection** Dr. Jana Doppa, Assoc. Professor, Huie-Rogers Endowed Chair, EECS, WSU	Todd Hall 203
		2:00 PM – 2:15 PM: **Break**	
		2:15 PM – 4:00 PM: **User Interface for Interpretation of Code Vulnerabilities** Dr. John Miller, Assoc. Professor; Tim Cain, CySER Undergraduate; Jordan Liebe, CySER Mentor; EECS, WSU – Tri Cities	

Day	Time	Event	Location
Tues May 23	Morning	8:30 AM – 9:30 AM: **Intro to Cybersecurity and Behavioral Threats** Dr. Rob Crossler, Assoc. Professor and Chair of MISE, Carson College of Business, WSU 9:30 AM – 10:30 AM: **Assessing Risk** Dr. Rob Crossler 10:30 AM – 10:45 AM: **Break** 10:45 AM – 11:45 AM: **Cyber Overview and Opportunities at AFRL** Sonja Glumich, VICEROY Air Force Program Manager, Air Force Research Laboratory Information Directorate (AFRL/RI) 11:45 AM – 1:00 PM: **Lunch**	Todd Hall 203
	Afternoon	1:00 PM – 2:15 PM: **Undergraduate and Graduate Posters** 2:15 PM – 2:30 PM: **Break** 2:30 PM – 3:15 PM: **Certificate Ceremony and Celebration of CySER Graduates** 3:15 PM – 3:30 PM: **Break** 3:30 – 4:30 PM: **DoD Collaboration and Opportunities** Dr. Aaron Darnton, CTO, Keyport Naval Undersea Warfare Center	Spark G10

Day	Time	Event	Location
Wed May 24	Morning	**8:30 AM – 9:30 AM: Day-in-the-life of a Cybersecurity Professional** Slater Weinstock, Security Engr., Casaba Security Dr. Chris Hundhausen, Professor and Director of the Center for Research in Engineering Education Online (CREEdO), EECS, Oregon State University **9:30 AM – 10:15 AM: Internship Opportunity at the Griffiss Institute – VICEROY Vision** Jennifer McCullough, VICEROY Project Lead, Griffiss Institute **10:15 AM – 10:30 AM: Break** **10:30 AM – 12:00 PM: Team Building and Leadership** Maj. Paul Hyde & John Ford, AFROTC, LTC Matthew Sheftic, Commander, Army ROTC, WSU LTC Christopher L'Heureux, Montana State University (MSU) Capt. John Tenbusch, Central Washington University (CWU) Dr. Bernard Van Wie, Professor, Voiland School of Chemical Engineering & Bioengineering (VSCEB), WSU **12:00 PM – 1:00 PM: Lunch**	Todd Hall 203 Spark G10
	Afternoon	**1:00 PM – 2:50 PM: Deep Fakes and ChatGPT** Deborah Wells, Senior Manager for Cybersecurity Engineering, Boeing Employee Credit Union; Adjunct Faculty, CWU **3:05 PM – 5:00 PM: Graph Mining for Insider Threat Detection** Dr. Larry Holder, Professor, EECS, WSU	Todd Hall 203
Thurs May 25	All-day	**8:00 AM – 8:00 PM: Field Trip:** **Pacific Northwest National Laboratory**	Richland, WA

Day	Time	Event	Location
Fri May 26	Morning	8:00 AM – 11:30 AM: Field Trip: Schweitzer Engineering Labs (SEL)	Pullman, WA
	Afternoon	1:00 PM – 2:00 PM: Vehicle Cybersecurity Dr. Rita Barrios, Asst. Dir. Applied Vehicle Cybersecurity, University of Detroit Mercy (UDM) 2:05 PM – 3:00 PM: Hardware and Malware Detection and Recovery Using FPGAs Dr. Chris Major, Research Associate, Montana State University (MSU) 3:00 PM – 3:15 PM: Break 3:15 PM – 4:15 PM: Securing the Supply Chain in a Company Slater Weinstock, Security Engineer, Casaba Security	Todd Hall 203
Sat May 27	Morning	8:30 AM – 10:00 AM: Army Cyber Command: Defending the Network and the Cloud: Case Studies Matt Boehnke, M.A., Assistant Professor, Computer Science, Columbia Basin College (CBC) & Senator, 8th Legislative District, Washington State 10:00 AM – 10:15 AM: Break 10:15 AM – 11:15 AM: National Cyber League Matt Boehnke, CBC	Todd Hall 203
	Afternoon	2:00 PM – 5:00 PM: Hiking/Picnic	Klemgard Park
Tues May 30	Morning	8:30 AM – 10:30 AM: Power Grid and Cybersecurity Dr. Noel Schulz, Professor & Edmund O. Schweitzer III Chair in Power Apparatus and Systems, EECS, WSU Tim Schulz, VP Research and Engineering, Scythe 10:30 AM – 10:45 AM: Break 10:45 AM – 12:00 PM: Cybersecurity in Industrial Control Systems Nathan Kipp, Engineering Manager, SEL Secure Solutions, SEL 12:00 PM – 1:00 PM: Lunch	Todd Hall 203
	Afternoon	1:00 PM – 5:00 PM: Hands-on Tutorial on Digital Forensics Andrew Fallin, PhD candidate, CySER Mentor, MSU	Todd Hall 203
Wed May 31	Morning	8:30 AM – 10:30 AM: Hands-on Tutorial: Linux Tools for Binary Reverse Engineering	Todd Hall 203

Day	Time	Event	Location
		Dr. Jim Alves Foss, University Distinguished Professor & Director of Center for Secure and Dependable Systems, Computer Science, University of Idaho	
		10:30 AM – 10:45 AM: **Break**	
		10:45 AM – 12:30 PM: **Cyber Threat Intelligence/Table Session** Alexander Salazar, MSc, & Daniel Brown, MBA, Cybersecurity Advisors for Cybersecurity & Infrastructure Security Agency (CISA)	
		12:30 PM – 1:30 PM: **Lunch**	
	Afternoon	1:30 PM – 2:30 PM: **Simulating Cyber-attacks to Biological Systems: Detection/Mitigation in MATLAB** Brenden Fraser Hevlin, VSCEB PhD candidate, CySER Mentor, and Alec Schuler, Sch. of Mechanical & Matrls Eng. PhD Student, CySER Mentor, WSU	Todd Hall 203
		2:30 – 3:30 PM: **Sustainability Defenses Against Evolving Mobile Malware** Dr. Haipeng Cai, Assoc. Professor, EECS, WSU	
		3:30 – 3:45 PM: **Break**	
		3:45 PM – 4:45 PM: **Lifelong Learning: Getting the Most Out of Your Internship** Dr. Sola Adesope, Assoc. Dean of Research & Boeing Distinguished Professor of STEM Education, College of Education, WSU	
Thurs Jun 1	All day	8:30 AM – 2:30 PM: **Field Trip – Fairchild Air Force Base**	Spokane, WA