

Doctoral Residency Agenda

Dakota State University, March 22-24, 2022

Tuesday, March 22, 2022		
	Shuttle to and from Sioux Falls Airport Time for program comprehensive exams, et al. 10:00 am and 11:00 am Campus Tours Pick Up ID Card at Student Services (If necessary)	
1:00 pm	<u>Welcome/Introductions</u> Mark Hawkes, Graduate Dean Residency Orientation and Objectives TCB Auditorium	
	Madlabs Classroom	KML 201
1:30 pm	<u>Developing a Researchable Problem Statement</u> Kevin Streff, Ph.D. Recommended for First Year Doctoral Students	<u>Dissertation Organization: Features, Function, and Forms</u> Mark Hawkes, Ph.D. Recommended for upper level Doctoral Students
2:30 pm	<u>DSU IRB and Human Subjects</u> Peter Hoesing, Ph.D. Director, Sponsored Programs Recommended for Upper Level Doctoral Students	<u>Dissertation Proposal Defense</u> Student: Thuy Lam Chair: Dr. Josh Stroschein Title: Penetrable SCADA system modeling (PSSM)
3:30 pm	<u>Academic Authorship, Contributorship and Collaboration</u> Kevin Streff, Ph.D. Josh Stroschein, Ph.D. TCB Auditorium	
4:30 pm	Final Dissertation Defense Student: Matthew Bradley Chair: Dr. Shengjie Xu Title: <u>A Metric for Machine Learning Vulnerability to Adversarial Examples</u>	Dissertation Proposal Defense Student: Chinyere Isaac-Heslop Chair: Dr. Mark Spanier Title: <u>A Potential Pre/Post Quantum Cryptography Mirror: Does Added Complexity Diminish Security?</u>

5:30 pm	Welcome Dinner, DPP Hosted by: DSU Foundation with Program Coordinator, Advisor, Classmates, others	
Wednesday, March 23, 2022		
	Madlabs Classroom	KML201
9:00 am	<u>Ph.D. Cyber Operations Program Break Out</u> Dr. Yong Wang	<u>Ph.D. Cyber Defense Program Break Out</u> Dr. Kevin Streff
10:00 am	Dissertation Proposal Defense Student: Trevor Lewis Chair: Dr. Josh Stroschein Title: <u>Endpoint Defense as Code (EDaC): Configurable Contextual Analysis of Process Behaviors From Kernel/User Event Tracing</u>	Dissertation Proposal Defense Student: Briant Becote Chair: Dr. Bhaskar Rimal Title: <u>Defining a Cyber Operations Performance Framework via Computational Modeling</u>
11:00 am	Lunch [on own] DSU Research Poster Session (11:30-1:00) Beacom Collaboration Center	
1:00 pm	Final Dissertation Defense Student: Justin Burr Chair: Dr. Shengjie Xu Title: <u>Improving Adversarial Attacks Against MalConv</u>	Final Dissertation Defense Student: Kimo Bumanglag Chair: Dr. Josh Stroschein Title: <u>An Application of Machine Learning to Analysis of Packed MAC Malware</u>
2:00 pm	<u>Madlabs Presentation: Exploring SubParse - A malware artifact and collation framework.</u> Dr. Josh Stroschein Director Malware Discovery Reversing and Disruption (MADRID) Lab	Final Dissertation Defense Student: Mark Stanislav Chair: Dr. Josh Pauli Title: <u>Multi-dimensional Security Integrity Analysis of Broad Market Internet-connected Cameras</u>
3:00 pm	Break	

3:30 pm	<p>Applied Research for Academic Credit Panel: Dr. Cody Welu, Dr. Shengjie Xu, Dr. Kevin Streff Overview: For students conducting research outside of class, faculty will discuss three options to guided research: INSuRE, CSC 786 and INFA 792.</p>	<p>Online Writing Resources for Dissertation Preparation Mary Francis, Reference and Instruction Librarian, DSU Karl Mundt Library</p>
4:30 pm	<p>Dissertation Proposal Defense Student: Mar Castro Chair: Dr. Josh Stroschein Title: Malware Pattern of Life Analysis</p>	<p>Dissertation Proposal Defense Student: Anthony Jairam Chair: Dr. Yong Wang Title: BAMBI: Bluetooth Access Management & Beacon Identification</p>

5:30 pm | Free for the Evening

Thursday, March 24, 2022

Madlabs Classroom KML201		
9:00 am	<p>Dissertation Proposal Defense Student: Nadia Halabi Chair: Dr. Stephen Krebsbach Title: A study of Novice and Astute College Students' Smart TV Attitudes (The Trade-off between Functionality and Security/Privacy)</p>	<p>Dissertation Proposal Defense Student: Michael Ladder Chair: Dr. Michael Ham Title: Token Based Authentication and Authorization with Zero-Knowledge Proofs for Enhancing Web API Security and Privacy</p>
10:00 am	<p>Madlabs Feature: Digital Forensics Services at DSU Arica Kulm, Ph.D, Director Kendra Russell, SD DCI Special Agent TCB Auditorium</p>	
11:00 am	<p>Grant Writing Basics Peter Hoelsing, Ph.D. Director Sponsored Programs</p>	<p>Dissertation Proposal Defense Student: Jacob Williams Chair: Dr. Cody Welu Title: Measuring Performance of Manual System Call Detections utilizing Process Instrumentation Callback (PIC)</p>
12:00 noon	<p>Lunch [on own]</p>	

1:00 pm	<p>DSU Research Symposia Guest Speaker Andrea Thompson, Associate Dean for Governmental and External Relations Under Secretary of State for Arms Control and International Security (former) Mad Labs Briefing Room</p>	
2:00 pm	<p>Final Dissertation Defense Student: Jude Ejiobi Chair: Dr. Shengjie Xu Title: Aligning Recovery Objectives with Organizational Capabilities</p> <hr/>	<p>Dissertation Proposal Defense Student: Charles Begian Chair: Dr. Kyle Cronin Title: Detection of Vulnerabilites in SG Femtocell Firmware Using Static Analysis Tools Rm: KML 200</p> <hr/>

3:00 pm | CSC 890 Adjourns

3:00 pm Meetings as arranged with Program Coordinator or Advisor, etc.

3:10 pm Campus Tour
