

CFIC@SHSU

Sam Houston State University
Cyber Forensics Intelligence Center Newsletter



TABLE OF CONTENTS

Highlights

[Director's Message](#)

[Return to Campus](#)

[Dr. Andrew Blyth](#)

[DFII Research Lineup](#)

[Dr. Phillip Menard](#)

[Partnerships](#)

[Contact Us](#)

HIGHLIGHTS

- SHSU classes are back! The University and the Department of Computer Science (DCS) take actions to protect students and staff.
- The Digital Forensics Information Intelligence (DFII) Research group presentation schedule is available on the CFIC web site.
- Dr. Andrew Blyth and Dr. Philip Menard kick off the Digital Forensics Intelligence (DFII) talks this fall.
- The CFIC is recruiting for SHSU's National Collegiate Cyber Defense Competition (CCDC) team this year.



DIRECTOR'S MESSAGE

The CFIC welcomes students and faculty back to campus!

We are looking forward to an exciting and successful fall semester. As cybercrime activities continue to escalate, privacy concerns persist. Industry's dependence on technology continues to grow in order to function in today's society. The CFIC strives to assist industry partners, faculty researchers, and students with the identification and resolutions to emerging cybersecurity topics and issues. The fall speaker's schedule for the Digital Forensics Intelligence (DFII) research group is comprised of industry professionals, research-active faculty, and doctoral students. The DFII program schedule is available on the CFIC web site.

Students interested in being a member of SHSU's National Collegiate Cyber Defense Competition (CCDC) team this year are urged to reach out to the CFIC and let us know. We will be advertising a zoom meeting for interested participants in the coming weeks. Equally, we welcome industry participation and training advice. If you would like to share your expertise with SHSU's CCDC team, please contact the CFIC.

RETURN TO CAMPUS

Welcome back Bearkats!

The Computer Science Department and SHSU are taking extra precautions for you and your safety. A few of the things that SHSU has implicated in AB1 include:



- The northern stairwell is for traffic flowing upstairs only.
- The southern stairwell is for traffic flowing downstairs only.
- The flow of traffic in the hallways in the Computer Science department is clockwise.
- The university is also spraying an e-mist daily that will help to sanitize each classroom.
- Each classroom has disinfecting wipes available to use. Students have the option to wipe any surfaces down when arriving to class.
- Classrooms are sanitized daily.
- Social distancing will be taking place in class rooms and labs.
- Masks are required to be worn by all faculty, staff, and students. If you do not have a mask there will be some in the department office. They are available on a first come first serve basis.
- The Department of Computer Science (DCS) has taken the additional precautions and has purchased MediFair medical grade air filters for each classroom.

DR. ANDREW BLYTH



On 08/24/2020, Dr. Andrew Blyth will be giving a presentation on IoT/ Embedded Systems Forensics to the DFII. He received his PhD in Computer Science from the Newcastle University in 1995. He created the Information Security Research Group at the University of South Wales and, in 2005, was made the first Professor of Computer Forensics in the UK at the University of South Wales. He is currently Director of Research and Development at ADISA and has published dozen of journal and conference papers in the areas of Computer Forensics and Computer Network Defense. Over the past twenty years, he has functioned as an expert witness for various intelligence and law enforcement around the world as well as worked with commercial organizations such as Airbus, Blackberry, Kroll, and Northrop Grumman.

DFII AUGUST AND SEPTEMBER RESEARCH LINEUP

- 08/17/2020 - Dr. William Bradley Glisson
Sam Houston State University (SHSU)
General Research Discussion
- 08/24/2020 - Dr. Andrew Blyth
Director of Research & Technology at Asset Disposal
& Information Security Alliance (ADISA)
IoT/Embedded Systems Forensics
- 08/31/2020 - Dr. Philip Menard
The University of Texas at San Antonio (UTSA)
Unauthorized Access / Insider Abuse
- 09/07/2020 - Labor Day Holiday – No Meeting
- 09/14/2020 - Dr. Wei
Sam Houston State University (SHSU)
Web Cache Poisoning Attack In-Person
- 09/21/2020 - Dr. George Grispos
University of Nebraska Omaha
***Digital Forensic Investigation of Medical Devices
Zoom***
- 09/28/2020 - Research Day – No Meeting

DR. PHILIP MENARD

On 08/31/2020, Dr. Philip Menard will be giving a talk on Unauthorized Access / Insider Abuse. Philip Menard is an Assistant Professor of Information Systems and Cyber Security at The University of Texas at San Antonio. He received his Ph.D. from the Department of Management and Information Systems at Mississippi State University. His research covers behavioral information security, information privacy, and fake news propagation on social media.



He is particularly interested in the intersection of psychological and technological factors in security contexts, including impacts of security measures on organizational end-users, security education training and awareness (SETA) programs, and the impact of espoused cultural values on individuals' performance of secure behaviors. He has published at the Journal of Management Information Systems, Journal of the Association for Information Systems, Computers & Security, Information Systems Frontiers, and the Journal of Computer Information Systems. He has presented his work at several conferences and workshops, including the Americas Conference on Information Systems (AMCIS), International Conference on Information Systems (ICIS), and Hawaii International Conference on Systems Sciences (HICSS). He has served as a reviewer for several IS journals and conferences. He is also currently a co-PI of the National Science Foundation Scholarship for Service program at UTSA.

Partnerships

Internship Program

Organizations partner with the Center to provide on-site internship experiences to students enrolled in the Department of Computer Science at SHSU to assist in workforce development.

*Check the CFIC Web Site for Opportunities

Capstone Project

Provides students with the opportunity to interact with industry while simultaneously introducing them to practical research. These projects are conducted in conjunction with industrial partners at no cost to the organization.

Seminar Presentations

Industrial partners are invited to make presentations during the fall and spring semesters on challenges that they face from cybersecurity, digital forensics, and information assurance perspectives.

CONTACT THE CFIC

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CFIC MISSION

To conduct world-class, leading cyber forensics and security research, provide real-world training solutions, investigate cutting edge cyber forensic investigation resources; promote professional networking; and participate in open data exchanges.

GOALS

To bring together leading industry participants, practitioners, and faculty members from a variety of disciplines to research cyber forensic and digital security topics that are of interest to governmental, commercial and legal communities in order to:

- Deliver innovative, avant-garde, pioneering research expertise in security and forensics that solves real-world problems
- Partner with governmental, commercial, and legal communities to improve workforce education through world-class training programs
- Provide state-of-the-art research facilities, equipment, and training that empowers faculty to pursue substantial research funding
- Deliver to governmental, commercial, and legal communities a collaborative operational and investigative ecosystem for identifying and resolving cyber forensics and security challenges

Please follow us @



Directions

I-45, Huntsville, TX 77340 to Avenue I,
Huntsville, TX 77340

1. Depart I-45, Huntsville, TX 77340
 2. Turn East onto US-190 [SR-30] for 1.1 miles.
 3. Turn Right(South) onto SR-75 [N. Sam Houston Ave] for 0.4 miles.
 4. Turn Left(East) onto 16th St. for 0.2 miles.
 5. Turn Right(South) onto Avenue I for 0.1 miles.
 6. Arrive Avenue I.
- The Cyber Forensics Intelligence Center is located in AB1 Room 208