Director's Notes CFITS

Center for Forensics, Information Technology, and Security

School of Computing

October 2020

DATA SCIENCE

Every Other Wednesday

4:45 to 6:00PM
Shelby Hall Rm 3104

SYSTEMS PROTECTION AND EXPLOITATION RESEARCH GROUP (SPERG)

Every Friday 10 – 11 a.m.
@Shelby Hall Rm 2327
www.soc.southalabama.edu/sperg/

PARTNER SCHOOL PROGRAM

Contact Keith Lynn at 251-460-7643. For scheduling HOLLA click on the link below.

Schedule HOLLA

Quote of the Month

"In a room full of software designers, if two agree on the same thing, that's a majority"

Dr. Bill Curtis

Software Engineer

CFITS Lecture Series Returns: Wednesday, October 21st at 2:30 pm

Virtual lecture: Zoom link: https://southalabama.zoom.us/j/97964093528

Speaker Profile

Steven Travers
USA Health
Chief Information Officer
stravers@health.southalabama.edu



Steven Travers oversees all aspects of information technology for USA Health, including computer systems, databases, network and telecommunications. He brings 25 years of experience in healthcare information technology to his position.

He has extensive healthcare consulting experience from his previous management roles at Ernst & Young, CapGemini, and Accenture. In 2009 he founded Travers Consulting, which provided management consulting services for software development, electronic health records operations, and IT support outsourcing for the healthcare industry.

Dr. Travers has received a bachelor's degree in Microbiology and went on to earn a master's degree in biology from the University of South Alabama and a master's degree in business administration from Millsaps College. In 2018 he earned a Ph.D. in management from USA.

Join the CFITS Lecture: https://southalabama.zoom.us/j/97964093528

CFITS

October 2020

Faculty Profile

Jeffrey (Todd) McDonald

Professor
School of Computing
University of South Alabama
Department of Computer Science
Phone: (251) 460-7555
jtmcdonald@southalabama.edu
Shelby Hall, Room 1121



Dr. J. Todd McDonald is a Professor in the Department of Computer Science at the University of South Alabama's School of Computing. He received his PhD in Computer Science from the Florida State University (2006), a M.S. in Computer Engineering from the Air Force Institute of Technology (2001), and a B.S. in Computer Science from United States Air Force Academy (1990). He was a prior faculty member of the Department of Electrical and Computer Engineering at the Air Force Institute of Technology from 2006 to 2011. He is a retired Lt. Colonel in the U.S. Air Force, serving over 25 years specializing in cyber operations, research, and education. He has published over 90 peer-reviewed papers and journals related to secure software engineering, software and hardware attack and defense, systems assurance, and anomaly/malware detection. Nearing his 10-year tenure at South, Dr. McDonald has spearheaded several efforts related to cybersecurity education and research. He is the originator and faculty sponsor of the DayZero student organization which is dedicated to developing future cybersecurity professionals through participation in capture the flag and cyber defense competitions. He helped launch NSA GenCyber summer camps in partnership with Davidson High School as part of the CFITS partner school program and was the PI of the first NSF-funded grant for the USA CyberScholars program beginning in 2013, which has placed over 35 graduates in government cybersecurity positions since its inception. He began the Systems Protection and Exploitation Research Group (SPERG) at USA in 2012, which has been one of the longest running in the school's history and was the originator and general chair for the Software Security, Protection, and Reverse Engineering Workshop (SSPREW) which ran for 9 years. Dr. McDonald has shared in over $15M as a PI, co-PI, and project lead in grants from the National Science Foundation and Department of Interior and is currently the PI for an NSF Secure and Trustworthy grant that is investigating executable steganography as a software protection technique. Dr. McDonald has been research advisor and chair for many students in his academic career, graduating 32 Masters and 3 Doctoral students to date. He also works with many undergraduate researchers through USA's SURF and UCUR volunteer internship programs. Dr. McDonald is a senior member of the IEEE and member of the ACM.

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