FACULTY

Marvin Andujar, Assistant Professor, brain-computer interfaces, drones.
Shaun Canavan, Assistant Professor, computer vision, effective computing.
Sriram Chellappan, Associate Professor, socio-technical systems.
Ken Christensen, Professor, energy efficient networks.
Giovanni Luca Ciampaglia, Assistant Professor, computer networks and computational social science.
Suey-Chun (Roger) Fang, Instructor II, data modeling and information systems.
Alessio Gaspar, Associate Professor, evolutionary algorithms and computing education research.
Dmitry Goldgof, Distinguished University Professor, medical image analysis, computer vision, AI.
Lawrence Hall, Distinguished University Professor, intelligent systems, data mining, AI.
William Hendrix III, Instructor I, graph algorithms and parallel computing.
Isabela Hidalgo, Instructor I, human-computer interaction.
Adriana Iamnitchi, Professor, distributed systems, computational sociology, AI.
Hennick Jean, Instructor I, technical analysis algorithms.
Robert Karam, Assistant Professor, hardware security, reconfigurable computing, bioimplantable devices.
Rangachar Kasturi, Douglas W. Hood Professor, medical image analysis, computer vision, AI.
Srinivas Katkoori, Associate Professor, low power VLSI synthesis.
Valentina Kozuchova, Instructor I, computer vision.
Miguel Labrador, Professor, computer networks and ubiquitous sensing.
Jason Lewis, Instructor I, cybersecurity, digital forensics, computer science and cybersecurity education.
John Licato, Assistant Professor, NLP, cognitive modeling, formal/informal reasoning, AI.
Jay Ligatti, Professor, software security and programming languages.
Yao Liu, Associate Professor, network security and wireless technologies.
Mehran Mozaffari Kermani, Assistant Professor, cryptographic engineering.
Tempesta Neal, Assistant Professor, mobile bioinformatics, ubiquitous sensing, language processing.
William Oropallo, Instructor I, NURBS, point clouds, geometric algorithms.
Xinming (Simon) Ou, Professor, cybersecurity and cyber physical systems.
Rafael Perez, Professor, artificial intelligence and neural networks.
Les Piegl, Professor, geometric modeling and computer graphics.
Paul Rosen, Assistant Professor, data visualization and computer graphics.
Sudeep Sarkar, Professor, computer vision and bioinformatics.
Schinnel Small, Instructor I, programming languages and visual analytics.
Yu Sun, Associate Professor, intelligent systems, robotics, cyber physical systems.
Yicheng Tu, Associate Professor, database systems and multimedia systems.
Phil Ventura, Instructor II, pedagogy of object orientation.
Jing Wang, Instructor II, computer animation and K-12 outreach.
Alfredo Weitzenfeld, Professor, biologically inspired robotics and intelligent systems.
Attila Yavuz, Assistant Professor, applied cryptography and privacy enhancing technologies.
Yan Zhang, Instructor I, congestion control and energy optimization.
Hao Zheng, Associate Professor, system verification and validation.

LEADERSHIP

Sudeep Sarkar, Chair
Dmitry Goldgof, Vice-Chair
Ken Christensen, Associate Chair of Undergraduate Affairs
Yu Sun, Associate Chair of Graduate Affairs
William Hendrix III, Program Director for CS/CpE
Schinnel Small, Program Director for IT
Sriram Chellappan, Program Director for CyS

ADVISING

Marjorie Fontalho, Undergraduate Advisor
John Morgan, Undergraduate Advisor

STAFF

Laura Ovezarek, Academic Services Administrator
Gabriela Franco, Graduate Program Specialist
Mayra Morfin, Undergraduate Program Specialist
Jessica Pruitt, Academic Program Specialist
Jose Ryan, Systems Administrator
Monica Ulloa Diaz, Webmaster

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FACULTY RESEARCH AREAS

A.I. and Cognitive Computing
- Computer Vision and Pattern Recognition, Artificial Intelligence and Machine Learning, Robotics, Brain Computer Interfaces, Computational Neuroscience, Affective Computing

Cybersecurity

Efficient Computing Platforms
- Computer Architecture, VLSI, Ubiquitous Sensing Networks, Distributed Computing, Parallel Processing, and Biomedical Devices

Big-Data Algorithms
- Biomedical Imaging, Machine Learning, Databases, Visualization, Social Networks, and Efficient Computing Platforms

FACULTY HONORS AND AWARDS
- Fellows: 7 IEEE, 4 AAAS, 3 AIMBE, 4 IAPR
- 1 IEEE Norbert Weiner Award
- 1 IEEE Richard E. Marwin Award for Distinguished Service
- 1 IAPR/ICDAR Outstanding Achievements Award
- 1 ACM CCS Test of Time Award
- 11 NSF CAREER Awards
- Fulbright Specialist, 2018-2020

INNOVATION, PATENTS, AND LICENSES
- 5 NFL I-Corps Teams
- 8 license/options agreements between FY12-FY16
- 12 copyrights
- 109 US and foreign patent applications
- 1 ACM CCS Test of Time Award
- 1 IAPR/ICDAR Outstanding Achievements Award
- 1 NSF CAREER Awards
- Fulbright Specialist, 2018-2020

STUDENT ORGANIZATIONS
- Association for Computing Machinery (ACM)
- Brain-Computer Interface (BCI) Club
- IEEE Computer Society (IEEE - CS)
- Microsoft Developers Network (MSDN)
- National Instruments LabVIEW Users Group
- Robobulls
- Society of Competitive Programmers (SCP)
- Whitehatters Computer Security Club
- Women in Computer Science and Engineering (WiCSE)

NEW GRANTS IN CY 2018
- Andujar, Marvin Workshop: Student Travel to CHI Mentoring (CHIMe) 2018, NSF $25,825 5/31/2018-4/30/2019
- Carzan, Shaan Amazon Machine Learning Research Award: Analysis of Human Emotions using Multimodal Data, Amazon $150,000 6/1/2018-6/1/2019
- Lisiewski, Pamela (PI); Chellappan, Siriram; De Choudhury, Munmun; MaxMillan, Karl; PFI-RP: A Multi-Disciplinary Approach to Detecting Adolescent Online Risks, NSF $750,000 09/15/2018-08/31/2021
- Mercier, Filippo (Pi); Ciampaglia, Giovanni Luca; FactCheckGraph: Matching fact-checks, claims, sources, and entities, Craig Newmark Philanthropies $70,699 11/20/2018-11/01/2019
- Goldgof, Dmitry (Pi); Hall, Lawrence; Microscope-based Technology for Automatic Brain Cell Counts Using Unbiased Methods, Stemology Resource Center, Inc. $100,000.00 11/20/2018-12/31/2018
- Karam, Robert; Conscious Ambulatory Bladder Monitoring to Understand Neural Control of Lower Urinary Tract Function, NIH $68,484 09/01/2018-11/30/2020
- Atkinson, Porash (Pi); Labrador, Miguel; HeartMapp: A Closed-Loop Assessment and Treatment Mobile Application for Heart Failure, NIH: National Institute of Nursing Research $225,000 09/03/2018-09/30/2020
- Licato, John; Active Formalization in Artificial and Human Reasoners, AFOSR $450,000 1/1/2018-12/31/2020
- Muston, Peter (SRC Pi); Goldgof, Dmitry (USF Pi); Hall, Lawrence; STTR Phase I: Microscope-based Technology for Automatic Brain Cell Counts Using Unbiased Methods, NSF/HIP $224,526, Florida High Tech Corridor Matching Grant Program $101,000 1/1/2018-12/31/2018
- Wang, Hua-Lan (Pi); Katiyar, Shrines, i-Corps: Use of eHealth to Personalize Exergame Prescriptions, NSF $50,000 04/01/2018-09/30/2019
- Mozaffari Kermani, Mehran; SaTo: CORE: Medium: Collaborative: Countermeasures Against Side-Channels Attacks Targeting Hardware and Embedded System Implementations of Post-Quantum Cryptographic Algorithms, NSF $300,000 10/1/2018-9/30/2022
- Xiwen Liu (Pi); Ou, Ximing, A Reinforcement Learning Approach to Detecting Persistent Threats, Cyber Florida $75,000, 7/1/2018-6/30/2019
- Ou, Ximing (Pi); Lende, Daniel; Ligatzi, Jey; SaTo: CORE: Medium: Collaborative: Understanding Security in the Software Development Lifecycle: A Holistic, Mixed-Methods Approach, NSF $500,000 09/01/2018-09/30/2021
- Sanberg, Paul (Pi); Zapas-Castro, Jose; Sarkar, Sudheer, McDevitt, Valerie; I-Corps Sites: Type II - I-Corps Site at University of South Florida Tampa, NSF $150,000 10/01/2018-09/30/2020
- Dubey, Rajiv (Pi); Sarkar, Sudeep, Redd, Kelyn; Alqaerzi, Redwan, Achieving Aonomy by Learning from Sensor-Assisted Control in a Wheelchair-Based Human-Robot Collaborative System, NSF $49,383 09/01/2018-08/31/2021
- Zheng, Hao, Mining System Flow Specifications for SoC Debug, Intel $40,000 7/1/2018-12/31/2019

*The BS in Cybersecurity major started in Spring 2018, resulting in four major choices: Computer Science, Computer Engineering, Information Technology, and Cybersecurity. The first degrees of the BS in Cybersecurity major were awarded in Fall 2018.