



2019 Research Symposium

Marshall Student Center at the University of South Florida · Tampa, FL

Monday, April 8

8:30 – 9:15 AM	Registration and Networking	Ballroom Foyer
9:15 – 9:20 AM	Welcome and Keynote Introduction	Ballroom A-B
9:20 – 10:45 AM	<p><u>Keynote Address</u></p> <p>An Example of Using the Cloud to Recast Security: The VirtUE Program Kerry Long; Program Manager, IARPA</p>	Ballroom A-B
10:45 – 11:00 AM	Break	Ballroom Foyer
11:00 – 12noon	<p><u>Seed Award - Research Presentations</u></p> <ul style="list-style-type: none"> - “Thwarting Advanced Persistent Threats in Internet of Things” <ul style="list-style-type: none"> o My T. Thai, PhD, University of Florida o Aziz Mohaisen, PhD, University of Central Florida - “Cyberphysical Attacks Recovery in Smart Grids: Security, Resiliency, and Interdependency” <ul style="list-style-type: none"> o Wei Sun, PhD, University of Central Florida o Mahshid Naeini, PhD, University of South Florida 	<p>Room 2708</p> <p>Room 2709</p>
12noon – 1:15 PM	Lunch, Networking & Student Posters	Ballroom A-C
1:15 – 2:15 PM	<p><u>Seed Award - Research Presentations</u></p> <ul style="list-style-type: none"> - “Anonymity in Secure Tagged IoT Systems” <ul style="list-style-type: none"> o Shigang Chen, PhD, University of Florida o Kwang-Cheng Chen, PhD, University of South Florida - “Data Integrity and Energy Optimizations of Blockchains” <ul style="list-style-type: none"> o Swapnoneel Roy, PhD, University of North Florida o Mainak Chatterjee, PhD, University of Central Florida 	<p>Room 2708</p> <p>Room 2709</p>
2:15 – 2:30 PM	Break	Ballroom Foyer
2:30 – 3:30 PM	<u>Seed Award - Research Presentations</u>	

	<ul style="list-style-type: none"> - “A Reinforcement Learning Approach to Detecting Persistent Threats” <ul style="list-style-type: none"> ○ Xiuwen Liu, PhD, Florida State University ○ Xinming ‘Simon’ Ou, PhD, University of South Florida - “Defending Against Adversarial Attacks on Deep Learning Systems” <ul style="list-style-type: none"> ○ Sumit Kumar Jha, PhD, University of Central Florida ○ Prabhat Mishra, PhD, University of Florida 	<p>Room 2708</p> <p>Room 2709</p>
3:45 – 4:45 PM	<p><u>Panel Session</u></p> <p>Securing the Internet of Things: Emerging Threats and Opportunities</p> <ul style="list-style-type: none"> • <u>Moderator:</u> Yier Jin, PhD, University of Florida • <u>Panelists:</u> <ul style="list-style-type: none"> ○ Sean Barbeau, PhD, University of South Florida/CUTR ○ Kris Howard, BlackHorse Solutions, Inc. ○ Raj Rajagopalan, PhD, Resideo, Inc. ○ Selcuk Uluagac, PhD, Florida International University 	Ballroom A-B
4:45 – 6:00 PM	Networking Reception & Student Posters	Ballroom C

Tuesday, April 9

8:30 – 9:15 AM	Registration and Networking	Ballroom Foyer
9:15 – 9:20 AM	Welcome and Keynote Introduction	Ballroom A-B
9:20 – 10:45 AM	<p><u>Keynote Address</u></p> <p>Through the Looking Glass: From R&D to Product Lead Dr. Raj Rajagopalan, Project Security Leader, Resideo, Inc.</p>	Ballroom A-B
10:45 – 11:00 AM	Break	Ballroom Foyer
11:00 – 12noon	<p><u>Seed Award - Research Presentations</u></p> <ul style="list-style-type: none"> - “Preventing, Detecting, and Responding to Attacks on Safety-Critical Cyberphysical Systems” <ul style="list-style-type: none"> ○ Arman Sargolzaei, PhD, Florida Polytechnic University ○ Kang K. Yen, PhD, Florida International University - “Security-Aware Virtual Machine Management on Cloud Platform Using the Game-Theoretic Approach” <ul style="list-style-type: none"> ○ Gang Quan, PhD, Florida International University ○ Liqiang Wang, PhD, University of Central Florida 	<p>Room 2708</p> <p>Room 2709</p>
12noon – 1:15 PM	Lunch, Networking & Student Posters	Ballroom A-C
1:15 – 2:15 PM	<p><u>Panel Session</u></p> <p>Brave New World: Privacy & Security in the Age of Machine Learning & Artificial Intelligence</p> <ul style="list-style-type: none"> ● <u>Moderator:</u> Dennis Blankenship; Cisco ● <u>Panelists:</u> <ul style="list-style-type: none"> ○ Pablo Breuer; SOFWERX ○ Sriram Chellappan, PhD, University of South Florida ○ Joe Partlow, ReliaQuest ○ Sagar Samtani, PhD, University of South Florida 	Ballroom A-B
2:15 – 2:30 PM	Break	Ballroom Foyer
2:30 – 3:30 PM	<p><u>Seed Award – Research Presentations</u></p> <ul style="list-style-type: none"> - “Software Defined Network (SDN)-Based Attack-Resilient Smart Grid Sensor Network: PMU Placement, Self-Healing Algorithm Design and Network Topology Design” <ul style="list-style-type: none"> ○ Lingling Fan, PhD, University of South Florida ○ Elias Bou-Harb, PhD, Florida Atlantic University - “Quantum-Resistant Zero-Knowledge Proofs Applied to Anonymity-Preserving Data Collection and Anonymous Cryptocurrencies” <ul style="list-style-type: none"> ○ Jean-Francois Biasse, PhD, University of South Florida ○ Reza Azarderakhsh, PhD, Florida Atlantic University 	<p>Room 2708</p> <p>Room 2709</p>

3:30 PM	Day 2 Concludes	

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