



Software Security, Protection, and Reverse Engineering Workshop (SSPREW-6)

In conjunction with the 32nd Annual Computer Security Applications Conference

5-6 December 2016

Monday, December 5th, 8:30 a.m. - 5:30 p.m.

- 7:30 BREAKFAST
- 8:30 *Welcome and Best Paper Award*, Todd McDonald, General Chair
- 8:40 **Training Session** on Whitebox Crypto Attacks (Jasper von Woudenberg, RISCURE)
- 10:00 BREAK
- 10:30 **Training Session** on Whitebox Crypto Attacks (Jasper von Woudenberg, RISCURE)
- 12:00 LUNCH
- 1:30 **Training Session** on Concolic Analysis (Vivek Notani, University of Verona)
- 3:00 BREAK
- 3:30 **Training Session** on Concolic Analysis (Vivek Notani, University of Verona)
- 5:00 **Invited Talk:** Transition to Practice NSF SATC Program (Dr. Alec Yasinsac, University of South Alabama)
- 5:30 ADJOURN

Tuesday, December 6th, 8:30 a.m. - 5:30 p.m.

- 7:30 BREAKFAST
- 8:30 *Welcome and Introductions*, Todd McDonald, General Chair
- 8:35 **Keynote Address:** *Secure Development After Security Bugs*, Jeremy Epstein, DARPA
- 9:30 *Finding the Needle in the Heap: Combining Static Analysis and Dynamic Symbolic Execution to Trigger Use-After-Free*: Josselin Feist, Mounier Laurent, Sebastien Bardin, Robin David, and Marie-Laure Potet
- 10:00 BREAK
- 10:30 *Metadata Recovery From Obfuscated Programs Using Machine Learning*: Aleieldin Salem and Sebastian Banescu
- 11:00 **Keynote Address:** *Industry Trends in Software Attack*, Jasper von Woudenberg, RISCURE
- 12:00 **LUNCH***
- 1:00 **Keynote Address:** *Information Flow Obfuscation*, Saumya Debray, University of Arizona
- 2:00 *White-Box Cryptography-Practical Protection on Hostile Hosts*: Yuan Gu, Harold Johnson, Clifford Liem, Andrew Wajs, and Michael Wiener
- 2:30 *Comparing the Effectiveness of Commercial Obfuscators against MATE Attacks*: Ramya Manikyam, Todd McDonald, William Mahoney, Todd Anandel, and Samuel Russ
- 3:00 BREAK

- 3:30 *Tightly-Coupled Self-Debugging Software Protection*: Bert Abrath, Joris Wijnant, Bart Coppens, Bjorn De Sutter, and Stijn Volckaert
- 4:00 *Active Android Malware Analysis-An approach based on Stochastic Games*: Riccardo Sarteau, Mila Dalla Preda, Alessandro Farinelli, Roberto Giacobazzi, and Isabella Mastroeni
- 4:30 *Buffer Overflow Attack's Power Consumption Signatures*: Samuel Moore, Mark Yampolskiy, Jacob Gatlin, Jeffrey McDonald, and Todd R. Andel
- 5:00 *Detecting Rootkits With the RAI Runtime Application Inventory*: Shabnam Aboughadareh and Christoph Csallner
- 5:30 ADJOURN

***Please note that we will resume from lunch at 1:00.**