



Software Security, Protection, and Reverse Engineering Workshop (SSPREW-8)

In conjunction with the 34th Annual Computer Security Applications Conference

3-4 December 2018

Monday, December 3rd, 8:30 a.m. - 4:30 p.m.

- 7:30 BREAKFAST
- 8:30 *Welcome*, Todd McDonald, General Chair
- 8:35 **Training Session** on Side-Channel Attacks on Embedded Systems (Damien Couroussé, CEA LIST, France)
- 10:00 BREAK
- 10:30 **Training Session** on Side-Channel Attacks on Embedded Systems
- 12:00 LUNCH
- 1:30 **Training Session** on Breaking Obfuscated Programs with Symbolic Execution (Sebastian Banescu, Technical University of Munich)
- 3:00 BREAK
- 3:30 **Training Session** on Breaking Obfuscated Programs with Symbolic Execution
- 4:30 ADJOURN

Tuesday, December 4th, 8:30 a.m. – 4:00 p.m.

- 7:30 BREAKFAST
- 8:30 *Welcome and Introductions*, Todd McDonald, General Chair
- 8:35 **Keynote Address:** *Tigris: A Source-to-Source-ish Obfuscation Tool*, Christian Collberg, University of Arizona
- 9:30 *DoSE : Deobfuscation based on Semantic Equivalence:* **Ramtine Tofighi Shirazi**, Philippe Elbaz-Vincent, Thanh Ha Le and Maria Christofi
- 10:00 BREAK
- 10:30 *gExtractor: Towards Automated Extraction of Malware Deception Parameters:* **Mohammed Noraden Alsaleh**, Jinpeng Wei, Ehab Al-Shaer and Mohiuddin Ahmed
- 11:00 **Invited Talk:** *Enhancing SAT Solvers for Cryptanalysis Tasks*, Saeed Nejati, University of Waterloo
- 12:00 LUNCH
- 1:30 *Identifying Input-Dependent Jumps from Obfuscated Execution using Dynamic Data Flow Graphs:* **Joonhyung Hwang** and Taisook Han
- 2:00 *SysTaint: Assisting Reversing of Malicious Network Communications:* Gabriele Viglianisi, Michele Carminati, Mario Polino, **Andrea Continella** and Stefano Zanero
- 2:30 *On-Device Detection via Anomalous Environmental Factors:* **Adam Gautier**, Todd Andel, and Ryan Benton
- 3:00 BREAK
- 3:30 *Leave it to Weaver:* William Mahoney, Joseph Franco, **Greg Hoff**, and Jeffrey McDonald
- 4:00 ADJOURN