



Software Security, Protection, and Reverse Engineering Workshop (SSPREW-7)

In conjunction with the 33rd Annual Computer Security Applications Conference

4-5 December 2017

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

- 7:30 BREAKFAST
- 8:30 *Welcome*, Todd McDonald, General Chair
- 8:35 **Training Session** on Concolic Analysis (Vivek Notani, University of Verona)
- 10:00 BREAK
- 10:30 **Training Session** on BINSEC: A Framework for Binary-level Program Analysis (Sébastien Bardin and Richard Bonichon, CEA)
- 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 5th, 8:30 a.m. - 4:00 p.m.

- 7:30 BREAKFAST
- 8:30 *Welcome and Introductions*, Todd McDonald, General Chair
- 8:35 **Keynote Address:** *The Rise of Potentially Unwanted Programs: Measuring its Prevalence, Distribution through Pay-Per-Install Services, and Economics*, Juan Caballero, IMDEA Software Institute
- 9:30 *GroupDroid: Automatically Grouping Mobile Malware by Extracting Code Similarities*: Niccolò Marastoni, Andrea Continella, Davide Quarta, Stefano Zanero and Mila Dalla Preda
- 10:00 BREAK
- 10:30 *Lightweight Dispatcher Constructions for Control Flow Flattening*: Björn Johansson, Patrik Lantz and Michael Liljenstam
- 11:00 **Keynote Address:** *Inferring Program Behavior from a Distance for Cyber Attack Investigation*, Dongyan Xu, Purdue University
- 12:00 LUNCH
- 1:30 *Fast Model Learning for the Detection of Malicious Digital Documents*: Daniel Scofield, Craig Miles and Stephen Kuhn
- 2:00 *Differential Fault Analysis Using Symbolic Execution*: Jasper Van Woudenberg, Cees-Bart Breunesse, Rajesh Velegalati, Panasayya Yalla and Sergio Gonzalez
- 2:30 *Packer Identification Based on Metadata Signature*: Nguyen Minh Hai, Mizuhito Ogawa and Quan Thanh Tho
- 3:00 BREAK
- 3:30 *Evaluating Optimal Phase Ordering in Obfuscation Executives*: William Holder, Jeffrey McDonald and Todd Andel
- 4:00 ADJOURN