Software Security, Protection, and Reverse Engineering Workshop (SSPREW-9)

In conjunction with the 35th Annual Computer Security Applications Conference

9-10 December 2019

Monday, December 9th, 8:30 a.m. - 4:30 p.m.
7:30 BREAKFAST
8:30 Welcome, Todd McDonald, General Chair
8:35 Training Session on Reverse Engineering with Binary Ninja (Jordan Wiens, Vector 35)
10:00 BREAK
10:30 Training Session on Reverse Engineering with Binary Ninja
12:00 LUNCH
1:30 Training Session on Reverse Engineering with Binary Ninja (Jordan Wiens, Vector 35)
3:00 BREAK
3:30 Training Session on Reverse Engineering with Binary Ninja
4:30 ADJOURN

Tuesday, December 10th, 8:30 a.m. – 4:00 p.m.
7:30 BREAKFAST
8:30 Welcome and Introductions, Todd McDonald, General Chair
8:35 Keynote Address: AI Security and Smart Asset Protection -- Yuan Xiang Gu, Senior Technology Advisor, IRDETO
9:30 Paper: Obfuscation: Where Are We in Anti-DSE Protections? -- Mathilde Ollivier, Sébastien Bardin, Jean-Yves Marion and Richard Bonichon
10:00 BREAK
10:30 Talk: A White-Box Implementation Based on the Decomposition of an S-box and the Affine Equivalence Problem: Sandra Rasoamiaramanana
11:00 Paper: Preventing Zero-Day Exploits of Memory Vulnerabilities with Guard Lines -- Sterling Vinson, Rachel Stonehirsch, Joel Coffman and Jim Stevens
11:30 Paper: Revealing Malicious Remote Engineering Attempts on Android Apps with Magic Numbers -- Leonidas Vasileiadis, Mariano Ceccato and Davide Corradini
12:00 LUNCH
1:30 Talk: Improving Stochastic Code Deobfuscation with S-Metaheuristics -- Cauim de Souza Lima, Richard Bonichon and Sebastien Bardin
2:00 Paper: A Case Against Indirect Jumps for Secure Programs -- Alexandre Gonzalvez and Ronan Lashermes (Olivier Decourbe)
3:00 BREAK
3:30 Panel Discussion – Trends in Software Protection Research and Industry
4:00 ADJOURN