

## Software Security, Protection, and Reverse Engineering Workshop (SSPREW-9) In conjunction with the 35<sup>th</sup> Annual Computer Security Applications Conference

9-10 December 2019

Monday	v, December 9 <sup></sup> , 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	<b>Training Session</b> 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	y, December 10 <sup>th</sup> , 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, <b>Rachel Stonehirsch</b> , 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)
2:30	Paper: Fine-Grained Static Detection of Obfuscation Transforms Using Ensemble-Learning
	and Semantic Reasoning Ramtine Tofighi Shirazi, Irina Mariuca Asavoae and Philippe
	Elbaz-Vincent
3:00	BREAK
3:30	Panel Discussion – Trends in Software Protection Research and Industry
<b>∕</b> 1.00	ADIOURN