



## 1st Place

When Malware Changed Its Mind: An Empirical Study of Variable Program Behaviors in the Real World

Presented by: Erin Avllazagaj, University of Maryland, College Park

Erin Avllazagaj (University of Maryland, College Park), Ziyun Zhu (Facebook), Leyla Bilge (NortonLifelock Research Group), Davide Balzarotti (EURECOM), Tudor Dumitras (University of Maryland, College Park)







## 2nd Place

Finding Bugs Using Your Own Code: Detecting Functionally-similar yet Inconsistent Code

Presented by: Reza Mirzazade Farkhani, Northeastern University

Reza Mirzazade Farkhani, Mansour Ahmadi, Ryan Williams, Long Lu (all Northeastern University)







# 3rd Place

Catching Transparent Phish: Analyzing and Detecting MITM Phishing Toolkits

Presented by: Brian Kondracki

Brian Kondracki (Stony Brook University), Babak Amin Azad (Stony Brook University), Oleksii Starov (Palo Alto Networks), Nick Nikiforakis (Stony Brook University)



# CONGRATULATIONS TO ALL FINALISTS