Tamara Rezk

Transient Execution Attacks

Abstract: Since the disclosure of Spectre attacks in 2018, both academia and industry have made considerable efforts to defend against all variants of transient execution attacks, the class of attacks to which Spectre belongs to. This presentation will give an update on the state of the art in 2023 and present some of the remaining open problems in the area of transient execution attacks.

Biography

Tamara Rezk is a research director at Inria and a part-time lecturer at Université Côte d'Azur, Sophia Antipolis, France. Since 2023, she is also a WASP guest professor at Chalmers, Gothenburg, Sweden.

Her main research interests are in the field of system security. She has supervised Ph.D. students on topics such as static and dynamic security analyses, web security, formal methods for security, and provable cryptography. She currently focuses her research on defenses and principled methods to deal with microarchitectural attacks, and web application attacks.