CS Talk Series

Side Channels and Transient Execution Attacks

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Host: Dan Alistarh

In this talk we will first discuss traditional software-based side-channel attacks and then look at different transient execution attacks and defenses. We will discuss the differences between all the Spectre variants in terms of microarchitectural (prediction) elements, the attacker model, and the attack strategy. We will discuss blank spots that we should look at in the future. With this knowledge we are prepared to discuss which defenses against transient execution attacks are effective. We will see that there are good defenses, but most are neither effective nor efficient. Finally, we will discuss open problems for defenses.

Thursday, December 5, 2019 04:30pm - 06:00pm

Foyer seminar room Ground floor / Office Bldg West (I21.EG.128)

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.

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