

I-SENSE Distinguished Seminar Series



TOPIC

The Future of Physical Side-channel Analysis: The Next Decade

The response to a security flaw typically goes through three phases: first, it is ignored, then it is acknowledged but claimed to never happen in a real-world system, and finally, it is argued to be known all along with defenses underway. Physical side-channel analysis has come a long way since its inception in the nineties, going through all these phases. Over the past two decades, several attacks and related defenses have appeared, resulting in hundreds of academic papers and a multi-billion-dollar market. But what is the future of physical side-channel analysis? Will the research keep incrementing on the same themes or are there new directions going forward? In this talk, I will give a brief overview of the existing work and then focus on three aspects I believe to be important for the future of physical side-channel analysis: new applications, new devices/targets, and new means to extract the information.

SPEAKER

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at the Electrical and Computer Engineering
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Hosted by Reza Azarderakhsh, Ph.D.

Friday, April 12

11 a.m. – 12 p.m.

Engineering East Building,
EE303c, Boca Raton Campus
and on Zoom



Unable to join in-person? Attend on Zoom
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