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SL Institute Seminar

Memory-Based PUFs - Constructions and Applications
Stefan Katzenbeisser
University of PASSAU

Date: June 18th, 2021
Time: 14:00-15:00
Teams Link: Join Seminar (We'd appreciate if you could optionally register to join our mailing list)

Abstract:

Physically Unclonable Funcions have emerged as key tools to construct lightweight hardware security solutions. In particular, PUFs constructed from memory modules turned out to be beneficial, as they are intrinsically available in many devices and have good statistical properties. In the talk we survey recent constructions of memory-based PUFs, which are found in SRAM and DRAM memories. Furthermore, we will give an overview of applications of memory-based PUFs, from cryptographic key generation and storage up to software protection.

Biography:

Stefan Katzenbeisser holds the Chair of Computer Engineering at University of Passau. Prior to joining Passau, he was a professor at TU Darmstadt and a Senior Scientist at Philips Research. His research interests include hardware-oriented security, security of critical infrastructures and applied cryptography.

Please contact Jennifer for any Teams connectivity issues: j.mcculloch@lancaster.ac.uk