

An overview of FPGA-inspired obfuscation techniques

Abideen, Zain UI; Gokulanathan, Sumathi; Aljafar, Muayad J.; Pagliarini, Samuel Nascimento ACM computing surveys 2024 / art. 299, 35 p. : ill <https://doi.org/10.1145/3677118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Leveraging layout-based effects for locking analog ICs

Aljafar, Muayad J.; Azais, Florence; Flottes, Marie-Lise; Pagliarini, Samuel Nascimento ASHES'22: Proceedings of the 2022 Workshop on Attacks and Solutions in Hardware Security 2022 / p. 5-13 <https://doi.org/10.1145/3560834.3563826>

An overview of FPGA-inspired obfuscation techniques

Abideen, Zain UI; Gokulanathan, Sumathi; Aljafar, Muayad J.; Pagliarini, Samuel Nascimento arXiv.org 2023 / 30 p. : ill <https://doi.org/10.48550/arXiv.2305.15999>

SCALLER: standard cell assembled and local layout effect-based ring oscillators

Aljafar, Muayad J.; UI Abideen, Zain; Peetermans, Adriaan; Gierlichs, Benedikt; Pagliarini, Samuel IEEE Embedded Systems Letters 2024 / p. 493 - 496 <https://doi.org/10.1109/LES.2024.3459730> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Survey on the benefits of using memristors for PUFs

Aljafar, Muayad J.; Acken, John M. International Journal of Parallel, Emergent and Distributed Systems 2022 / p. 40-67 <https://doi.org/10.1080/17445760.2021.1972295>

A 3-D crossbar architecture for both pipeline and parallel computations

Aljafar, Muayad J.; Acken, John M. IEEE Transactions on Circuits and Systems I : regular papers 2021 / p. 4456-4469 <https://doi.org/10.1109/TCSI.2021.3108564> https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?article=1680&context=ece_fac

Utilizing layout effects for analog logic locking

Aljafar, Muayad J.; Azais, Florence; Flottes, Marie-Lise; Pagliarini, Samuel Journal of Cryptographic Engineering 2024 / p. 311-324 <https://doi.org/10.1007/s13389-024-00350-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)