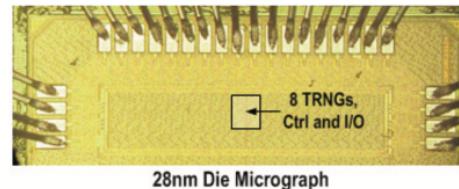
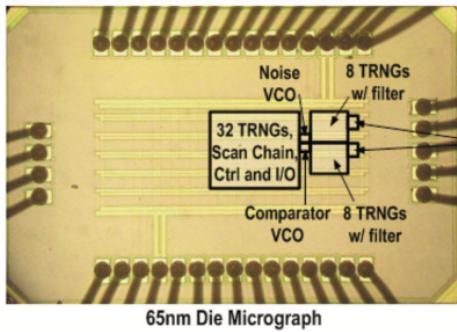
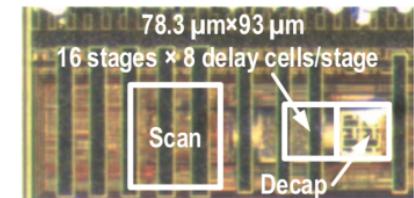
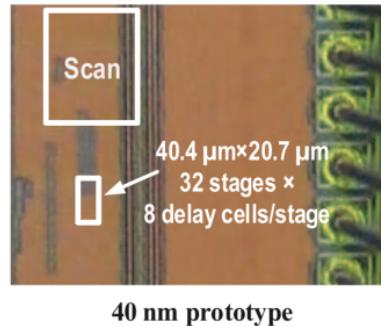


# Scalable, Reliable, Energy-efficient True Random Number Generators

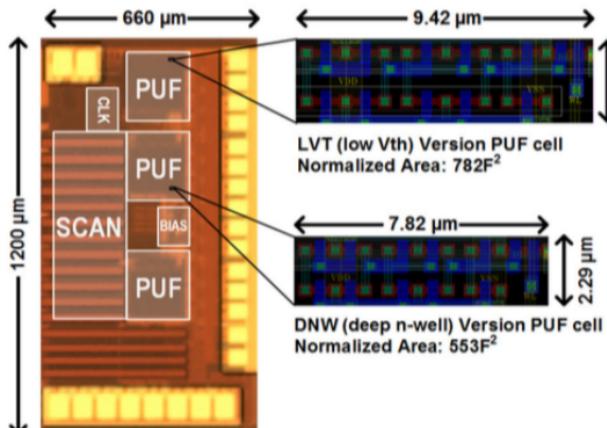


K. Yang et al., ISSCC 2014

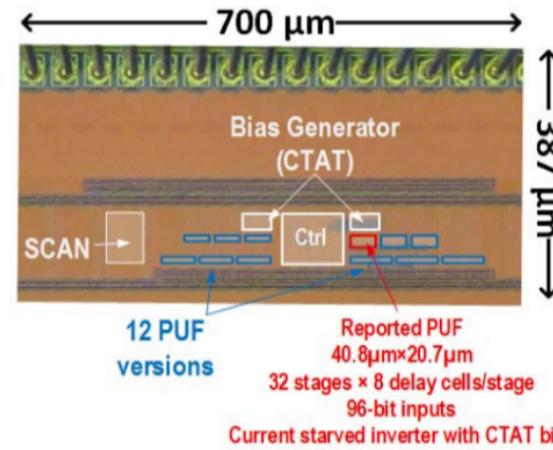


K. Yang et al., JSSC 2016

## Robust Physically Unclonable Functions

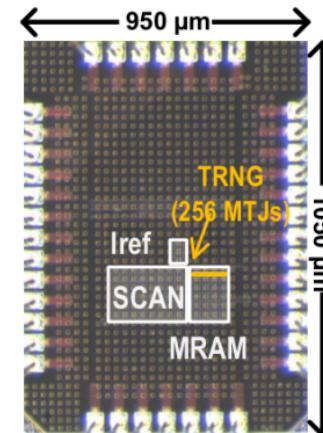


K. Yang et al., ISSCC 2017

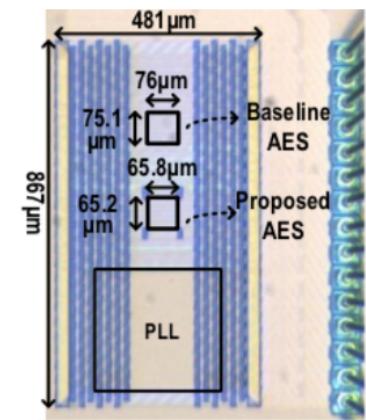


K. Yang et al., ISSCC 2015

## MTJ-based TRNG



K. Yang et al., VLSI 2018



## Lightweight AES

Y. Zhang et al., VLSI 2016