SEYED MILAD EBRAHIMIPOUR

M.Sc. Computer Engineering

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EDUCATION

Master of Science, Computer Engineering

Shahid Bahonar University of Kerman   🎓 GPA: 19.60/20

📅 2016 – 2019   📍 Kerman, Iran

- Thesis: *Aging-aware Reliability Improvement of Digital Systems*

Bachelor of Science, Computer Engineering

Shahid Bahonar University of Kerman   🎓 GPA: 17.80/20

📅 2012 – 2016   📍 Kerman, Iran

- Thesis: *Design and Implementation of ARM7-TDMIS on FPGA using VHDL*

RESEARCH INTERESTS

Robust and Reliable Integrated Circuits Design   VLSI Design
Computer Architecture   FPGA and Reconfigurable Systems
Deep Learning Hardware   System Level Electronic Design
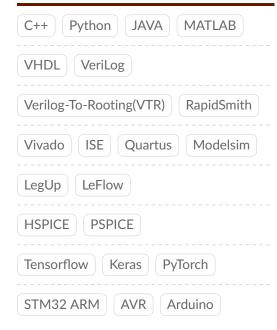Electronic Design Automation

SELECTED PUBLICATIONS

Seyed Milad Ebrahimipor, Behnam Ghavami, Hamid Mousavi, Mohsen Raji, Zhenman Fang, Lesley Shannon, "Aadam: A Fast, Accurate, and Versatile Aging-Aware Cell Library Delay Model using Feed-Forward Neural Network", *ICCAD, 2020*.

Seyed Milad Ebrahimipour, Behnam Ghavami, MOhsen Raji, "A Statistical Gate Sizing Method for Timing Yield and Lifetime Reliability Optimization of Integrated Circuits", *IEEE Transactions on Emerging Topics in Computing, 2020*.

Seyed Milad Ebrahimipour, Behnam Ghavami, Mohsen Raji, "Adjacency criticality: a simple yet effective metric for statistical timing yield optimisation of digital integrated circuits", *IET Circuits, Devices & Systems, 2019*.

SKILLS

C++   Python   JAVA   MATLAB

VHDL   VeriLog

Verilog-To-Rooting(VTR)   RapidSmith

Vivado   ISE   Quartus   Modelsim

LegUp   LeFlow

HSPICE   PSPICE

Tensorflow   Keras   PyTorch

STM32 ARM   AVR   Arduino

HONORS & AWARDS

Ranked first among my Masters graduation class (30 students)

Shahid Bahonar University of Kerman

📅 2019   📍 Kerman, Iran

Selected as a Best Student in Computer Engineering Department

Shahid Bahonar University of Kerman

📅 2019   📍 Kerman, Iran

Certification of Completion of Erasmus+ Winter School, Gradan EU Project

University of Bonn

📅 2018   📍 Bonn, Germany

Ranked first among my Bachelors graduation class (70 students)

Shahid Bahonar University of Kerman

📅 2016   📍 Kerman, Iran

Introduced as a scientific elite by the National Elite Institute of Iran

📅 2016

EXPERIENCE

Research Assistant
Shahid Bahonar University of Kerman

📅 2016 – present

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Research Intern
Shiraz University

📅 Summer 2018, Summer 2019

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Teaching Assistant
Shahid Bahonar University of Kerman

- Computer-Aided Design
  📅 Winter 2016, Fall 2017, Winter 2017, Fall 2018, Winter 2018, Fall 2019

- Computer Architecture Laboratory
  📅 Fall 2016, Winter 2016, Fall 2017

- Logic Design
  📅 Winter 2017

- Computer Architecture
  📅 Fall 2018, Winter 2018

- Microprocessor Laboratory
  📅 Winter 2017, Fall 2018, Winter 2018, Fall 2019, Winter 2019

- Computer-Aided Design Laboratory
  📅 Fall 2019, Winter 2019

REFERENCES

Behnam Ghavami
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✉ Kerman

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✉ Kerman

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✉ Kerman