

A Rambling Narrative of My Research

by

Alp Arslan Bayrakçı

Date and Time: October 18th, 2017 (Wednesday), 13:00

Place: Room 207, Computer Engineering Building, GTU

All interested are cordially invited.

ABSTRACT:

Actually this is not a conventional abstract; neither will the talk be an official one on a particular research topic. Rather, it is a short narrative of my research starting from the B.S. graduation until today. The research topics and contribution will be briefly summarized as well as the experience gained throughout the whole academic process. Briefly summarizing the topics will be preferred instead of getting deep into any subject.

The topics include:

- the need for decimal arithmetic
- statistical timing analysis of digital circuits
- hardware Trojan detection based on circuit delays
- low-cost FPGA based testing of digital circuits

BIOGRAPHY:

Alp Arslan Bayrakçı received the B.S. degree in electrical and electronics engineering from Middle East Technical University, Ankara, Turkey, in 2004, and the direct Ph.D. degree in computer engineering from Koç University, Istanbul, Turkey, in 2010. He has been with Gebze Technical University since 2011. His current research interests include statistical timing analysis, hardware security, and computer-aided design methodologies.