Cybersecurity research group at North Carolina State University is seeking multiple PhD students in the field of embedded and hardware security. These positions are available starting Fall 2018 but a start date of Spring 2019 or Fall 2019 is also possible. Interested applicants can email me (aaysu@ncsu.edu). Please include your CV, publication list, and a statement of research interests. Candidates having one or more of the following research expertise are preferred.

- Cryptography: especially on post-quantum cryptography or cryptocurrency and blockchain technologies
- Machine learning: theoretical analysis or application-oriented experience with an emphasis on deep neural networks and their implementation.
- Computer architectures and embedded software: RISC-V ISA and assembly programming
- Implementation attacks: side-channel analysis and fault attacks
- Hardware design on FPGAs or ASIC. Having an ASIC tape-out experience is highly preferred.
- Design automation and high-level (C-to-RTL) synthesis

Electrical and Computer Engineering Department of North Carolina State University is ranked top 10 in annual research expenditures. The graduate School of Engineering has been ranked #24 and the graduate Computer Engineering program has been ranked #26 by US News Rankings 2018.

Dr. Aydin Aysu
Assistant Professor at the Electrical and Computer Engineering Department
Adjunct Professor at the Computer Science Department
North Carolina State University

Bio: Dr. Aydin Aysu is currently a post-doctoral researcher at the University of Texas at Austin and is joining the Department of Electrical and Computer Engineering of North Carolina State University starting Fall 2018. He received his PhD at Virginia Tech in 2016, his MS and BS at Sabanci University in 2010 and 2008, respectively. He conducts research in the broad field of cybersecurity with an emphasis on hardware-based security, and he leads the HECTOR (Hardware and Embedded Cyber-Threat Research) lab.