PhD Positions in Hardware Security

The Hardware security lab at Texas A&M University, led by [Prof. JV Rajendran](), invites applications for three fully-funded PhD positions in the area of trustworthy hardware design. The lab conducts research in the area of hardware security focusing on trustworthy integrated circuit (IC) design, electronic design automation (EDA) for secure systems, and security analysis of existing hardware. More information about our research can be found at: https://cesg.tamu.edu/faculty/jv/publications

Requirements:

We are looking for self-motivated students with a strong background and expertise in the one or more of the following areas:

1. For the position on **design of trustworthy hardware systems**: Solid understanding of VLSI, computer architecture, and operating system concepts; hands-on experience with system-on-chip (SoC) design.

2. For the position on **security analysis of computing platforms**: In-depth understanding of computer architecture and hardware-software interaction. Knowledge of hardware/software security is a plus.

3. For the position on **provably-secure hardware design**: Strong background in theoretical computer science; good understanding of analysis of algorithms. Knowledge of cryptography is a plus.

How to apply:

If you are interested in a position, please send an email with your CV and GRE scores to jv.rajendran@tamu.edu. Highlight your skills relevant to the position and provide links to your papers and projects (github etc.). Also, attach a one-page summary of a recently discovered security vulnerability or a recently published paper. (State "job applicant" in the subject line to avoid being marked as spam.)

About The [Department of Electrical and Computer Engineering]() at Texas A&M:

The Department of Electrical and Computer Engineering at Texas A&M is ranked **10th for Computer Engineering and 12th for Electrical engineering** among public institutions by U.S. News & World Report.The distinguished faculty at the department (including 32 IEEE Fellows and three members of the National Academy of Engineering) has advanced national and global prosperity by its research, development, and application of electrical and information technologies and sciences for the benefit of humanity and has helped create the global village. With Texas's electronics workforce being the 2nd largest in the US, the ECE students get ample chances of internships and employment in semiconductor design, manufacturing, and sales companies including Apple, Intel, Texas Instruments, ARM, and many others.

About [Texas A&M Cybersecurity Center]():

The Cybersecurity Center at Texas A&M has been designated as a Center of Academic Excellence by the National Security Agency (NSA) in all three categories: Cyber Operations, Research, and Education, making Texas A&M one of the eight universities ever to hold this distinction. The Cybersecurity program is among the **top-10 cybersecurity programs** featured in USA Today's latest edition of Cybersecurity Magazine. The Cybersecurity program has 100+ students and 50+ faculty, and partners with 50+ companies.