



Morgan State University's vision is to be a national hardware and software security leader through excellence in education, research, and innovation. Moreover, our mission is to provide the intelligence community with knowledge, methodology, solutions, and a highly skilled workforce to protect our nation's cyber-physical infrastructure.

Due to advances in semiconductor manufacturing technology, heterogeneous integration, and ubiquitous connectivity, today's systems pose enormous security risks to society. Consumer demand for more intelligent devices with more functionality drives an insatiable appetite for speed and mobility. We interact with hundreds of these devices daily as we move from home to the workplace.

Therefore, we design and develop system-on-chip hardware and software security solutions for high-performance computing (HPC), automotive, artificial intelligence (AI), light weight cryptography, and embedded system applications. Anchored by a rigorous Ph.D. program in Secure Embedded Systems, we prepare our students for productive careers in industry such as Intel, federal agencies/ laboratories like the National Institute of Standards and Technology (NIST), and the DoD such as the National Security Agency (NSA).

DESIGNATIONS

- CAE-Cyber Defense

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