KANSAS STATE UNIVERSITY

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An aerial view of Anderson Hall at K-State

The Center for Cybersecurity and Trustworthy Systems (K-CaTS) at **Kansas State University** is dedicated to fundamental and applied research in various areas of information assurance and computer security, including distributed systems, embedded and ubiquitous computing systems, safety-critical and cyber-physical systems, and trustworthy machine learning (ML) and artificial intelligence (AI). K-CaTS aims to advance the knowledge base of students pursuing Bachelor's, Master's, and Ph.D. degrees, ensuring they are well-equipped for the challenges of the field. Furthermore, the center places a strong emphasis on engaging with the professional community, fostering collaborative efforts that enhance the development, understanding, and operation of systems that are both safe and secure.

In addition to its academic and professional engagements, K-CaTS is actively involved in conducting local and regional outreach initiatives to raise awareness about cybersecurity issues and improve the capabilities for secure operations within the community. The center plays a crucial role in facilitating security-related collaboration across a wide range of disciplines throughout Kansas State University, promoting a comprehensive and interdisciplinary approach to cybersecurity.

K-CaTS supports broad and cutting-edge collaborations across the entire university, with 17 core and affiliated faculty members driving trans-disciplinary work in diverse fields such as hardware and software cybersecurity, network and protocol security, trustworthy machine learning/AI, criminology and anthropology, psychology, education, and communications. This wide-ranging expertise underscores the center's commitment to addressing cybersecurity challenges from multiple perspectives.

One of the notable achievements of K-CaTS has been its key role in creating the new Bachelor's of Science in Cybersecurity degree program. This program not only offers a structured path to security education but also incorporates a comprehensive computer science curriculum. This initiative reflects the center's dedication to preparing students for the complex and evolving cybersecurity landscape, equipping them with the necessary skills and knowledge to succeed in the field.

DESIGNATIONS

• CAE-Research

CONTACT INFORMATION

Eugene Vasserman
eyv@ksu.edu

George Amariucai
amariucai@ksu.edu

www.k-state.edu | kcats.k-state.edu