BEARS 2009

Team for Research in Ubiquitous Secure Technology
337 Cory Hall, 2:00 – 5:00pm

TRUST Overview

The Team for Research in Ubiquitous Secure Technology (TRUST) is focused on the development of cybersecurity science and technology that will radically transform the ability of organizations to design, build,and operate trustworthy information systems for the nation's critical infrastructure. Established as aNational Science Foundation Science and Technology Center (STC), TRUST is addressing technical,operational, legal, policy, and economic issues affecting security, privacy, and data protection as well as the challenges of developing, deploying, and using trustworthy systems.TRUST activities are advancing a leading-edge research agenda to improve the state-of-the art in cyber security; developing a robust education plan to teach the next generation of computer scientists, engineers, and social scientists; and pursuing knowledge transfer opportunities to transition TRUST results to end users within industry and the government.TRUST is conducting interdisciplinary projects that combine fundamental science and applied research to deliver breakthrough advances in trustworthy systems for three "grand challenge" areas:

- Financial Infrastructures – Creation of a trustworthy environment that links and supports commercial transactions among financial institutions, online retailers, and customers.
- Health Infrastructures – Technology that advances "Healthcare Informatics" to enable engaged patients, personalized medicine, providers as coach consultants, and agile evidence-based care.
- Physical Infrastructures – Advances that support next generation Supervisory Control and Data Acquisition (SCADA) and control systems, including power, water, and telecommunications.