

Center for Education & Research in Information Assurance and Security (CERIAS)

- CERIAS is the world's largest multidisciplinary academic center addressing the issues of information security, assurance, and privacy. CERIAS teams world-class faculty, graduate students and industry partners to advance the state of information security through basic and applied research.
- One of the "original Seven" NSA Centers of Academic Excellence
- The top ranked Information security program in the U.S. [Academic Analytics, LLC, Nov. 2007]
- 80+ faculty from 18 academic departments across 5 colleges
- 11 Distinguished and Named Professors
- Numerous faculty and students hold security clearances
- 140+ infosec graduate student researchers
- 500+ undergraduates with expressed infosec interest
- 68+ current IA/IS research projects
- Affiliated partnerships with numerous military, government, academic and commercial information assurance and security organizations.



CERIAS Research Projects

- **Fast Forensics: Mislán**
 - Improve speed and fidelity of forensics in the field on cell phones, PDAs and similar
- **Watermarking and Provenance of Data Streams for Attribution: Bertino**
 - Devising robust indications in data to record source, confidence, and other info
- **Partitioning Network Experiments for the Cyber-Range: Fahmy**
 - Decomposing Internet-scale models to accurately perform constrained experiments
- **Context-Based, Adaptable Defense Against Collaborative Attacks in Service-Oriented Architectures: Bhargava**
 - Detection and defense against attacks in "cloud-like" distributed systems

