

INSuRE

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PURDUE
UNIVERSITY

INSuRE

- Information Security Research and Education (INSuRE)
- Began as an National Science Foundation (NSF) Early Concept Grants for Exploratory Research (EAGER) grant
- Collaborative, inter-disciplinary research into information security
- Leverage expertise across institutions, and across time frames

CAE-R

- INSuRE is a network between Centers for Academic Excellence in Information Assurance Research (CAE-Rs)
- The CAE-R program is administered by the Department of Homeland Security (DHS) and the National Security Agency (NSA)
- Currently there are 10 participating CAE-R institutions



Courses

- Courses are one part of the larger project
- Teach students both information security and research methodology
 - Students are given real-world research problems from the partner organizations (NSA, Sandia, PNNL)
 - Teams of 2-4 students select a topic, do basic scientific research, write a report
- Research should continue across semesters (one such project now)
- Research should be usable across institutions

Features Used

- File versioning
 - Every team from every university keeps their deliverables in the same directory structure
- Wiki
 - Common research findings
 - Data/corpora sharing
- Discussions
 - Clarification/collaboration

Wish List

- An INSuRE tool of our very own
 - Build a student project into a useful, interactive tool that is run on the Purdue University Research Repository (PURR)
- Integrated/federated authentication
- Chat/messaging for future inter-institutional teams

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