SCIENCE OF SECURITY

SOS-VO.org

An Online Community to Advance Cyber-Security Science

Science of Security Lablet Research Initiative

NSA's lablet initiative, formally established in 2012, kicked off several dozen projects to explore how effective a multi university, multidisciplinary team approach can be at advancing science and involving nontraditional partners. Early work focused on identifying core hard problems in science that must be understood in order to deal with the security issues that plague the nation.

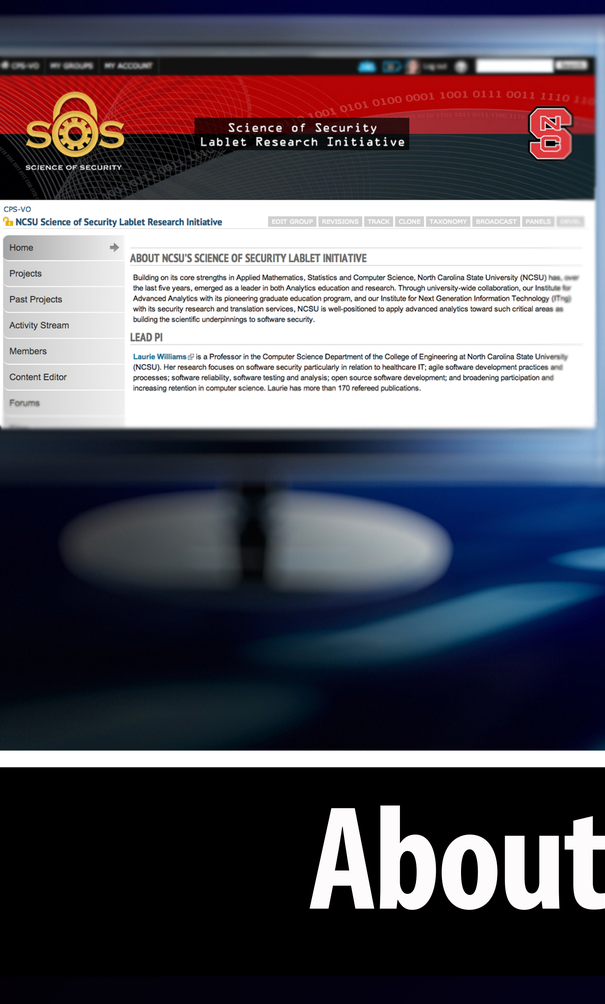
LABLET SCHOOLS

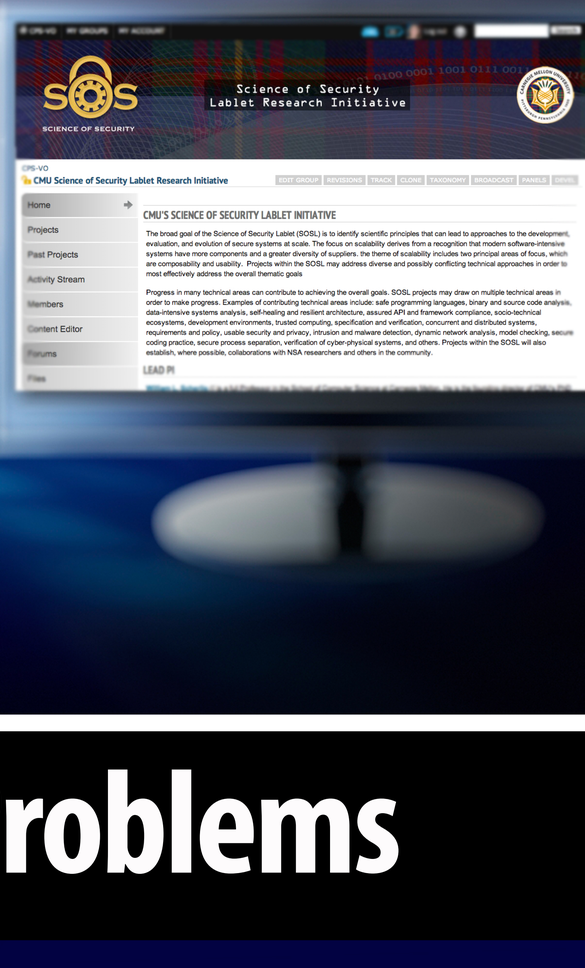
North Carolina State University

Univ. of Illinois at Urbana-Champaign

University of Maryland

Carnegie Mellon University





About SoS-VO

The Science of Security Virtual Organization (SoS VO) enables those interested in cyber-security science to:

- survey current research
- stay current on news in the field
- find out about events related to cybersecurity science
- collaborate with others using chat, video conferencing, and forums
- share work by uploading documents and creating wikis
- access educational resources contributed by members

SoS Hard Problems

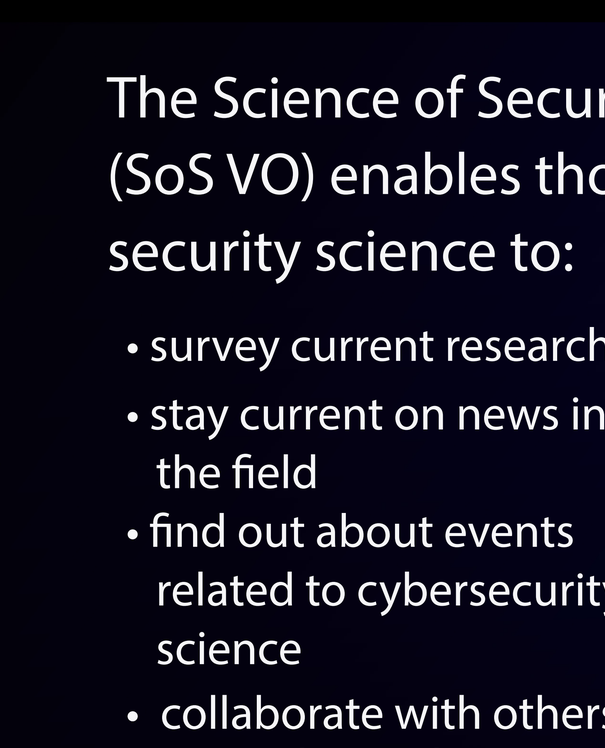
Metrics

Resiliency

Scalability & Composability

Human Behavior

Policy



Best Scientific Cybersecurity Paper Competition

In order to encourage the development of the scientific foundations of cybersecurity, the National Security Agency (NSA) established an award for the best scientific cybersecurity paper. The winner of the 2012 paper competition was Joseph Bonneau for his paper "The Science of Guessing: Analyzing an Anonymized Corpus of 70 Million Passwords." The 2013 nominated papers are being reviewed by a set of distinguished experts. Winners will be announced August 2014.

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