

An Online Community to Advance Cybersecurity Science



The President's plan for cybersecurity research and development includes a thrust to develop a "science of security" that would provide first principles and the fundamental building blocks for security and trustworthiness.

The problem will require contributions from social and behavioral sciences as well as mathematics, computer science, and electrical engineering.

The Science of Security Virtual Organization provides a focal point for security science-related research work and facilitates the creation of a collaborative community to advance security science.

Best Paper Competition

The Annual Best Scientific Cybersecurity Paper Competition began in 2012. NSA invites nominations of papers that show an outstanding contribution to cybersecurity science.

The SoS Newsletters showcase research programs of interest to the Science of Security Community (SoS). Materials are based on open sources and in many cases link to the original work or to the web page for a specific program.

Newsletter



Brief summaries of news items of interest to the Science of Security Community

News

Hot SoS is the annual research event centered on the Science of Security, addressing the fundamental problems of security in a principled manner.

HOTSoS

- ### Hard Problems
- Scalability and composability
 - Policy-governed secure collaboration
 - Predictive security metrics
 - Resilient architectures
 - Human behavior

- The SoS VO provides a wide range of information, networking, and collaboration capabilities:
(Click the links below to view video demos of each topic)
- **Survey Current Research** - track research projects in ongoing SoS and related security research programs
 - **Review Important Announcements** - get news on significant SoS-related activities
 - **Find Out What's Happening** - watch for events of interest in the community Calendar
 - **Connect to Others** - use chat, video conferencing, forums, and online networking
 - **Share your Work** - build wikis, set up special interest groups, upload files & tools, reports, multi-media
 - **Discover Resources** - search for people, papers, events, and other items of interest
 - **Learn More** - take advantage of educational resources contributed by SoS members and sponsors



CPS-VO Science of Security Website: <http://cps-vo.org/group/SoS>