Welcome to the Transforming DOE CyberSecurity wiki!

We are a grass-roots community, working together to apply scientific principles to critical long-term CyberSecurity issues in the Department of Energy (DOE). DOE is responsible for the integrity of the nation's energy delivery systems, where cyber attacks might have extreme consequences to public health & safety and the nation's economy. In addition, DOE's vast cyber resources, its high international visibility, its mission, and its open nature renders it a prime target for hackers, cyber espionage and cyber terrorism.

Join us on LinkedIn: Transforming Cyber Security Through Science (Grass Roots Community) http://www.linkedin.com/e/gis/120418


Information Security Compliance-Risk Management Institute Conference SEPT 16&17 UW

Goals and Mission

Who are we?

Calendar of Events and Teleconferences
Hot Topics

Presentation to the ASCR advisory committee meeting March 4, 2009:

★ Link to "A Scientific Research and Development Approach to Transform Cyber Security" Presentation to the ASCR Advisory Committee - March 4, 2009

Related Papers and Other Spontaneous Event

★ Modeling, Simulation and Analysis of Complex Networked Systems by James Brase and David L. Brown
★ Link to "Improving our platforms from the hardware on up" by Ron Minnich - March 2009
★ Link to "Complexity Science Challenges in Cybersecurity" by Robert C. Armstrong, Jackson R. Mayo, Frank Siebenlist - March 2009
★ Link to "Mathematical Challenges in Cybersecurity" by Daniel M. Dunlavy, Bruce Hendrickson, and Tamara G. Kolda, Sandia National Laboratories - February 2009
★ Link to "Mathematical and Statistical Opportunities in Cyber Security" by Juan Meza, Scott Campbell, and David Bailey, Lawrence Berkeley National Laboratory - March 2009

Final Report:

View our report on the homepage of the Office of Advanced Scientific Computing Research!

★ Link to "A Scientific Research and Development Approach to Cyber Security" - December 2008
★ Overview of Grassroots Cybersecurity R&D Community report to DOE --powerpoint
  • Overview of R&D Community report to DOE --pdf

White papers from Town Hall 1 are here

Town Hall 3 Information
Town Hall 2 Notes/Materials
Talaris Round Table Notes/Materials
SF Bay Area Round Table Notes/Materials
Reference Library

Forums

CSIIRW Proceedings (Link valid only through May 15)

Discussion Board