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](http://www.linkedin.com/e/gis/120418)

DOE ASCR Call: Mathematics for Complex, Distributed, Interconnected Systems [note deadline June 12] [watch for minor updates] [http://www.sc.doe.gov/grants/LAB09_23.html](http://www.sc.doe.gov/grants/LAB09_23.html)

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)
For assistance using this wiki, please contact Aaron Alva (509-375-5930 || aalva@knights.ucf.edu) or Lucas Reber (425-352-3325 || lreber@uwb.edu)

Get logged in to start editing

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Protect Network Account

Note: You may already have a login available from other members of the InCommon Shibboleth Federation. Take a look at the drop down list during the login to see if an affiliated institution is participating.

After you have registered an account and logged into the wiki (required to setup the profile), please contact Lucas Reber with your name and your login name to receive full wiki access.