

CILogon: Federated Access to US CyberInfrastructure

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Abstract

Jim will discuss ongoing work in the United States to use federated identity for access to research cyberinfrastructure (CI). He will present the CILogon Service (www.cilogon.org), which allows researchers to authenticate at their home organization via the InCommon Federation (www.incommon.org) to obtain certificates for secure access to research CI. He will also present TeraGrid's federated login service (<https://go.teragrid.org/>), which provides InCommon-based access to TeraGrid resources. Jim will discuss technical approaches, challenges, lessons learned, and international interoperability.

Biography

Jim Basney is a senior research scientist at the National Center for Supercomputing Applications (NCSA) at the University of Illinois at Urbana-Champaign where he leads the MyProxy and CILogon projects. The MyProxy project, which provides credential management software for grid computing, is an "exemplar of success in cyberinfrastructure software sustainability" according to the report from the NSF workshop on CyberInfrastructure Software Sustainability and Reusability (<http://pti.iu.edu/ci/ciss/final-report>). Jim also works on the TeraGrid project (since 2001), focusing on single sign-on and science gateway security. He is an active participant in the Globus Security Committee, The Americas Grid Policy Management Authority, the CIC Identity Management Taskforce, and the InCommon Technical Advisory Committee. Jim received his PhD in computer sciences from the University of Wisconsin-Madison where he worked as a graduate research assistant on the Condor project.