



Grid Interop 2008 Call for Papers and Presentations

The GridWise Architecture Council (GWAC) in collaboration with the National Institute of Standards and Technology (NIST) issues this Call for Papers and Presentations and invites you to contribute to the second annual *Grid Interop Forum* to be held in Atlanta, GA, November 11 – November 13, 2008.

Submission Summary

Please submit a 250-300 word abstract proposing either a meeting paper or panel presentation by August 4, 2008. Please use the following [online form](#) to upload your abstract to the event management system using this [Word template](#). Online abstracts submissions will be accepted between July 28th and August 4th, 2008. If earlier submission is preferred, email abstracts to gridwiseac.coordinator@pnl.gov.

Important dates to remember:

- **Abstract Submission Deadline:** August 4, 2008
- **Notification of Acceptance:** August 29, 2008
- **Paper Submission Deadline:** September 30, 2008
- **Paper Acceptance and Comments:** October 13, 2008
- **Final Paper and Presentations Deadline:** October 27, 2008

More information on the Call for Papers and Presentations, including templates, due dates, and meeting preparations will be maintained at the [Grid-Interop website](#).

Motivation and Background

GridWise envisions the nation's electric system - from central generation to customer appliances and equipment to the information systems that help manage the various businesses - as a collaborative network of intelligent systems and devices filled with information and abundant market-based opportunities. In this vision, we weave together the most productive elements of our traditional infrastructure with new technologies that integrate easily and safely into a cohesive system. Using advanced telecommunications and information technology, we can create a "society" of devices that functions as an integrated, transactive system, while achieving ease of use by all customers.

Achieving this vision requires coordination in the form of implementation independent methods, methods that are applicable in the heterogeneous infrastructure that is the basis of the automation systems that support our electric power and economic processes today. An interoperability framework is needed to address the interface issues of transforming from the existing situation to smart grid enabling solutions of the future while encouraging competition and innovation.

This second annual Grid Interop Forum builds on the success of the inaugural event of 2007 (see the [2007 event proceedings](#)) by helping to enhance interoperability activities in pursuit of the smart grid. Shortly after the 2007 event, federal legislation was passed that has significantly influenced the landscape. The Energy Independence and Security Act of 2007 directs NIST to coordinate the development of a framework to achieve interoperability of smart grid devices and systems. This legislation heightens the need for stakeholder to engage in addressing interoperability concerns. At this year's Grid-Interop Forum, NIST will lead a workshop to establish a roadmap for creating such an interoperability framework. In support of this workshop and the related Grid-Interop panel sessions and working group meetings, we ask for your ideas and proposals to advance interoperability of the smart grid. More than ever, Grid-Interop offers the venue to discuss new and innovative ways that improve smart grid interactions, and the opportunity to participate in actions that shape the future of interoperability.

Call for Paper Topic Areas

In addition to system integration technologists and architects, Grid-Interop will include business developers and policy-makers. It will also address organizational, informational, and technical challenges that we face today. The perspective for discussion is described in the GWAC [Interoperability Context-setting Framework](#) document. Abstract submissions should address how we can close the "distance to integrate" as we migrate existing systems and integrate new solutions. Interoperability topics include

- Present work underway to standardize or facilitate interoperation between automation systems.
- Describe a challenge that faces the improvement of interoperability. Propose actions to confront the challenge.
- Describe a gap that significantly hinders system integration. Propose actions to fill the gap.
- Present case studies of implementation approaches that advance interoperability. Propose future steps to test and validate interoperability advancements.
- Propose metrics for measuring progress that advances interoperability.

The abstracts for forum papers and presentations will be selected to support a balance between the multiple facets related to interoperability in the electric system. As a part of their abstract proposal, submitters should identify one or more of the aspects outlined below that their paper or presentation will address:

Interface Domain	Interoperability Category	Audience
<ul style="list-style-type: none"> • Industrial to Grid • Building to Grid • Home to Grid • Transmission Infrastructure • Distribution Infrastructure 	<ul style="list-style-type: none"> • Organizational: Economic/Regulatory Policy, Business Objectives, and Procedures • Informational: Business Context, Semantic Understanding • Technical: Syntactic and Network Interoperability, Basic Connectivity 	<ul style="list-style-type: none"> • Business, markets, and policy making: service providers, suppliers, regulators, economists • Technology: systems integration, information exchange and networking, standards making • Architecture: methodology and tools