



*improving the reliability and  
resiliency of the electric grid.*



## CONTACT

Brenda Moses  
Grid Protection Alliance  
bjmoses@gridprotectionalliance.org  
(423) 973-4731

## WHEN

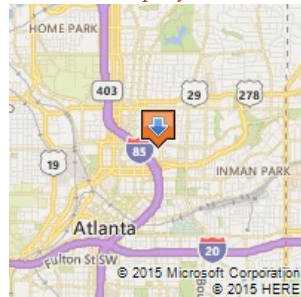
**September 6 and 7, 2011**

 [Add to my calendar](#)

## WHERE

Georgia Power Building  
241 Ralph McGill Boulevard NE  
Atlanta, GA 30308

Location Provided by  
Southern Company



## Driving Directions

## Industry Speakers:

### Midwest ISO

Ryan McCoy / James Pruitt

### Oklahoma Gas & Electric

Steve Chisholm

### New England ISO

Qiang 'Frankie' Zhang

## University Speakers:

### KTH Royal Institute of Technology

Moustafa Chenine / Lars Nordstrom

### Washington State University

Mani Venkatasubramanian

## Tutorial Highlights:

- Setting up and using OpenPDC

## Inaugural Grid Protection Alliance User's Forum and Grid Protection Alliance Time Series Framework Tutorial

The Grid Protection Alliance (GPA) is pleased to invite you to participate in a full-day tutorial on the Time Series Framework (TSF), and the inaugural User's Forum for GPA's open-source projects, including the TSF, openPDC, and openPG, to be held September 6 and 7, 2011, at the Georgia Power Building in Atlanta.

The TSF is an open-source project that houses most of the fundamental functionality of the openPDC, the openPG, the PMU connection tester, and other GPA open-source products. The TSF can be used to process and manage streaming, time-stamped data through a collection of configurable adapter components. The one-day tutorial on September 6, from 8 am to 5 pm, will include a comprehensive introduction to the TSF, and real world examples. Developers will gain a working knowledge of the framework, which will enable them to extend existing modules, or develop new modules to add to the library.

The User's Forum, on September 7, from 8 am to 3 pm, will educate those that are new to GPA open-source projects, inform developers about new software components, and provide insight from the industry on the practical application of the TSF, openPDC, and openPG. Your input during the forum will be used to help prioritize GPA's development work in 2012.

GPA provides and supports software solutions for the electric utility industry. GPA's mission is to improve the reliability and resiliency of the electric grid, through state-of-the-art applications. All GPA software products are open source.

As a not-for-profit corporation, GPA seeks to build collaborative relationships among government agencies, regulators, vendors, and grid owner-operators. These GPA efforts incorporate and improve technologies, to create a more secure, more robust, and smarter electric grid.

For more information about our products, go to:

<http://timeseriesframework.codeplex.com>

<http://openPDC.codeplex.com>

<http://openPG.codeplex.com>

**Register Now!**

[Join Our Mailing List!](#)

## USER FORUM AGENDA

8:00-8:05 Welcome, Introductions, Thank You to Southern (GPA)

- Establishing a distributed archive
- Deploying custom calculations and action adapters
- Developing new adapters and calculations
- Extended code level overview of Time Series Framework

8:05-8:20 Open Source Intro – Video (GPA)

8:20-8:50 openPDC Status / Objectives for v1.5 (GPA)

8:50-9:20 Oklahoma Gas & Electric (Steve Chisholm)

9:20-9:30 Break

9:30-10:00 KTH Royal Institute of Tech (Luigi Vanfretti / Moustafa Chenine / Lars Nordstrom)

10:00-10:30 Midwest ISO (Ryan McCoy / James Pruitt)

10:30-11:00 New England ISO (Qiang 'Frankie' Zhang)

11:00-11:15 TVA – The TVA Code Library (Pinal Patel)

11:15-11:30 openPG Status / Throughput Demo (GPA)

11:30-12:30 Lunch / Networking

12:30-1:00 Washington State University (Vaithianathan 'Mani' Venkatasubramanian)

1:00-1:30 NERC Update / Product Road Map (GPA)

1:30-3:00 Facilitated discussion to establish GPA Product direction for 2012 (GPA)