First Open EIT ICT Labs Workshop on Smart Grid Security

SmartGridSec12

Berlin, December 3rd, 2012

Call for Contributions (Talks and Poster Presentations)

>> Forward to colleagues who may be interested. <<

General Information

The First Open EIT ICT Labs Workshop on Smart Grid Security, an activity of the action line smart energy systems of the EIT ICT Labs, will be held at the EIT ICT Co-Location Centre Node Berlin, on December 3rd, 2012. The Co-location Centre (CLC) is inside the campus of TU Berlin, in the heart of the city's west – a hotspot where education, research and industry, see http://eit.ictlabs.eu/ict-labs/nodes-co-location-centres/berlin/. SmartGridSec12 is also co-sponsored by the Network of Excellence on Engineering Secure Future Internet SW, NESSoS, www.nessos-project.eu/

Context and Motivation

The need for a reliable, efficient, and sustainable energy supply is steadily increasing. The Smart Grid is proposed as an innovative, flexible, adaptable system which revolutionizes the current interconnection architecture and creates new services and offering new management and business opportunities for many stakeholders. Real-time communication between the consumer and the utility will allow the consumer to optimize local energy production, storage and usage; power will flow in different directions, depending on where generation takes place; buildings will actively participate of in the grid as consumers, producers, and energy storage facilities; electro-cars can be charged during low-demand periods and used as short-term energy storage.

Components will communicate with each other and will provide operational and non-operational information to users and administrators. This will require the use of global communication networks, like the Internet, and will open the door to conventional hacking and to cyber attacks. Not only will it be necessary to carefully assess the threads and risks, but also to have a consensus on the definition and implementation of measures and mechanisms to cope with them, or to recover from them. The infrastructure, workflows, processes and systems must be protected against unauthorized modification, required information should be accessible in the right place at the right time, the sensitive personally identifiable information (PII) related to the consumption of energy, the location of the electric car, but also confidential business information etc must remain secure from unauthorized access.

There is a clear need in Europe to integrate the fragmented research and development efforts in securing the Smart Grid. This workshop will be a venue to share and consolidate results, plan joint work, and create networks to accomplish these ambitioned goals.
Program Committee welcomes proposals for contributions on any **topics** related to:

- Attackers, Threats, Risk Analysis

- Security of Smart Grid protocols
- IDS / IPS / SIEM for Smart Grids / SCADA systems
- Security related Smart Grid test beds and simulators
- Security for long term deployment
- Securing the Smart Grids from the business and market perspective: Products, Stakeholders, Models
- Cross organizational security aspects
- Real-time monitoring and recovery
- Privacy issues
- Standardization
- Certification, Regulatory issues

Program Chairs:
Joël Chinnow (DAI)
Jorge Cuellar (Siemens)

Program Committee:
James Weimer (KTH)
Matthias Hollick (TU Darmstadt)
Steffen Fries (Siemens)
Karsten Bsufka (DAI)

Submissions
Full paper submissions, extended abstracts and short papers are welcome. Full papers are limited to 5-10 pages, while extended abstracts and short papers should be 2-5 pages long. The authors of extended abstracts should submit a full version to be published in the post-proceedings. Short papers can be presented as poster presentations. All papers will be reviewed by the program committee, and a balanced program will be selected based on relevance and technical soundness. Short paper contributions may be selected as "Poster Presentations". Follow the instructions at the submission web page:
https://www.easychair.org/conferences/?conf=smartgridsec12

Publication
The workshop proceedings will be published as a EIT ICT Labs online publication, as CEUR online publication, ISSN 1613-0073, http://ceur-ws.org/. A publication as LNCS Volume in Springer http://www.springer.com/computer/lncs is also envisaged.
Please use LNCS template for submissions: www.springer.com/computer/lncs
The submission web site is: https://www.easychair.org/conferences/?conf=smartgridsec12

Important Dates (NEW):
Submission of full paper (5-10 pages),
extended abstract (2-5 pages) or short paper (2-5 pages) .....31 October
Notification to authors:.....10 November
Final version for post-proceedings: .....3 December
Workshop: .....3 December