

Organization



With support of



5<sup>th</sup> ISA-France Forum – 15 & 16 June 2010  
Espace Hamelin – 17, rue Hamelin 75783 Paris cedex 16

# Smart grids

Under the patronage of Gimélec



## Automation, communications and cyber-security at the service of the grid optimization

Stakes for energy, environment and economy  
Optimization of electricity use  
Integration of distributed generation  
Integration of electric vehicles and other storage solutions  
Reliable and secure communications : wireless, PLC, IP networks  
Advance metering infrastructure  
Proliferation and integration of energy devices  
Smart grids and public policies: France, Europe, USA  
Cyber security risk management  
Advanced technology and R&D

Sponsors of the event



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## Introduction

The notion of smart grid hinges on adding and integrating a diversity of digital communication technologies and services with the power-delivery infrastructure. Bi-directional flows of energy and two-way communication and control capabilities will enable an array of new functionalities and applications which will improve reliability, security and efficiency of the electric grids.

Smart grids, notably thanks to a better transmission and distribution grid management, will contribute to peak-shaving, avoiding costly investment. They will also facilitate deployment and integration of distributed generation including renewable resources. More generally smart grids will participate in the limitation of CO<sub>2</sub> emissions, reducing the carbon footprint of the electric power system.

However, smart grids are not only of interest to professionals. They will also affect the everyday life of citizens, thanks to the services offered by advanced metering infrastructures, enabling customer awareness of electricity pricing on a near real-time basis and permitting them to adapt their electricity consumption accordingly. They are a prerequisite for a large scale development of electrical vehicles.

On the other hand, smart grids may suffer from cyber-vulnerability if sufficient attention is not paid to the risks of cyber-attacks.

Smart grids involve a lot of advanced technologies, notably in the field of communications and automation. In all the countries, they constitute a challenge for the coming years and have received a high degree of priority in governmental stimulus plans.

### Who should attend?

*The 2010 ISA-France Forum, organized under the patronage of Gimélec with the support of SEE, is of interest to all managers involved in technologies and services associated with generation, transmission and distribution of electricity, including automation, information technology, engineering, maintenance, cyber-security without forgetting those in charge of designing the future grids.*

*At both extremity of the chain, it is also of interest to grid owners and to electricity consumer or distributed generators, should they be industrial, domestic or commercial. The Forum will shade the light to a new vision of grid management solutions, to new services benefitting to all stakeholders, perhaps resulting in a new repartition of responsibilities.*

**ISA, The International Society of Automation ([www.isa.org](http://www.isa.org))**, is a global, nonprofit organization that comprises 30 000 members and is setting the standard for automation by developing standards, certifying industry professionals, providing education and training, publishing books and technical articles and hosting the largest conference and exhibitions.

**ISA-France ([www.isa-france.org](http://www.isa-france.org))**, is also a nonprofit organization which serves as ISA French section. ISA-France provides its members with the access to an international professional network, with training sessions and exchange facilities through its publications and its events. ISA-France is officially registered as training organization in France.



**SEE ([www.see.asso.fr](http://www.see.asso.fr))** is a leading French professional scientific and technical society. It covers all areas related to electronics such as computers, telecoms, components, signal processing, automation, metrology, as well as those relating to electricity and electrical engineering such as electric power systems and equipment, for generation, transmission and distribution.



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## Program

### Tuesday 15 June 2009

08h00 - 09h00	Welcome and registration
09h00 - 09h15	Introduction to the Forum - <b>Jean-Pierre Hauet</b> – ISA-France President et <b>Jean-Marc Molina</b> , Délégué Général adjoint du Gimelec
09h15 - 09h45	Key note address – <b>Marc Boillot</b> – Conseiller auprès de la Présidente du Directoire d'ERDF
09h45 - 10h30	Les systèmes électriques de l'avenir : les smart grids – <b>Pr Nouredine Hadjsaïd</b> - INPG – Professeur – Directeur du GIE IDEA
10h30 - 10h50	Coffee-break
10h50 - 11h20	Les smart grids : un outil pour équilibrer production et consommation - <b>Thomas Veyrenc</b> - Conseiller du Président - RTE
11h20 - 11h50	Gestion des équilibres locaux offre-demande - <b>Marc Bussieras</b> - ERDF - Directeur réseau
11h50 - 12h20	New perspectives for the connected home - <b>Jean-Yves Léonnec</b> France Telecom - Directeur de l'anticipation stratégique
12h30 - 14h00	Lunch
14h00 - 14h30	Smart Grids : enjeux réseaux ou enjeux clients ? - <b>Bernard Blez</b> - Directeur Délégué - GDF SUEZ Direction Recherche Innovation
14h30 - 15h00	The smart energy ecosystems - <b>Bernard Ourghanlian</b> - Directeur Technique Microsoft France
15h00 - 15h30	The challenge of integrating renewable power - <b>Laurent Demortier</b> - ALSTOM Power - Senior Vice-President
15h30 - 15h50	Coffee-break
15h50 - 16h20	Solutions pour faire face à une pénétration croissante des énergies intermittentes - <b>Gerhard Seyrling</b> - Senior Vice Pre <sup>t</sup> - Areva T&D
16h20 - 16h50	Des solutions de gestion active de l'énergie dans le résidentiel – <b>Valérie Formond</b> – Schneider Electric– Vice President Residential Control
16h50 – 17h20	Intégration des énergies renouvelables et dispositifs auto-cicatrisants dans les réseaux de distribution - <b>Yannick Julliard</b> – SIEMENS – Smart Grid business development manager

### Wednesday 16 June 2010

9h00– 9h30	Key note address – Smart Grids: US Approaches and concerns <b>Waynes Manges</b> - Program manager - DOE (Oak Ridge National Laboratory) - ISA100 committee co-chairman
9h30 - 10h00	Télécommunications pour les réseaux intelligents : Enjeux & solutions - <b>Pierre Tournassoud</b> - Alcatel Lucent

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10h00 - 10h30	Industrial Plant-Wide Energy Optimization - <b>Thierry Giroux</b> - Business Development Manager, EMEA
10h30 - 11h00	Coffee-break
11h00 - 11h30	Véhicules électriques : enjeux des infrastructures de recharge - <b>Gilles Bernard</b> - Directeur activités nouvelles - ERDF
11h30 - 12h00	Smart grids : What will happen around and inside buildings? <b>Benno Ritter</b> - VP Marketing and Business development – ZigBee Alliance
12h00 - 12h30	Rendre nos clients acteurs de leur gestion énergétique – <b>Louis-Jacques Urvoas</b> – EDF SA - Directeur du marketing stratégique
12h30 - 14h00	Lunch
14h00 - 14h25	Fonctionnalités apportées par les compteurs communicants - <b>Jean Vigneron</b> - ERDF - Directeur du comptage
14h25 – 14h50	AMM et Smartgrids, vus par un industriel des systèmes de comptage intelligent - <b>Patrice Caillaud</b> - Itron Electricité
14h50 - 15h15	A holistic look at the cyber security challenges of AMI and smart grid technologies – <b>R. Tyler Williams</b> – Wurdtech Technologies
15h15 - 15h40	Green: The Key to Next Generation Wireless Technologies - <b>Pr Merouane Debbah</b> - SupElec - Alcatel Lucent Chair on flexible radio
15h40 - 17h00	Round Table – Smart grids : Evolution or revolution? With the participation of <b>Pascal Sokoloff</b> - Directeur général de la FNCCR, <b>Marc Boillot</b> , conseiller auprès de la Présidente - ERDF, <b>Claude Ricaud</b> - Schneider Electric, <b>Jean-Marc Molina</b> - Gimelec, <b>Sandrine Périno</b> - Cisco France



## Registration and information

Registration fees	Early birds - Before 30 April 2009		After 30 April 2009	
	ISA or SEE Members	Other participants	ISA or SEE Members	Other participants
ISA-France is not subject to VAT				
Regular	400 euros	450 euros	450 euros	500 euros
Academics	200 euros	250 euros	250 euros	300 euros
Students - Standard - Without lunches	100 euros	130 euros	130 euros	160 euros
	40 euros	70 euros	70 euros	100 euros

Prices include : access to conferences, lunches of 15 & 16 June

Registration form can be downloaded from [www.isa-france.org](http://www.isa-france.org)

Registration forms shall be sent with payment to :

ISA-France – c/o KB Intelligence – 10, rue Lionel Terray F92508 – RUEIL-MALMAISON Cedex

Information : + 33 1 41 29 05 09 or 05 or [info@isa-france.org](mailto:info@isa-france.org) Fax : +33 1 46 52 51 93

Hotel suggestions may be provided at request