

Invitation

# SMART GRIDS-WEEK SALZBURG 09

Distributed Generation and Smart Grids –  
A Roadmap for Austria

May 13 to 15, 2009

Salzburg AG, Bayerhammerstrasse 16

# SMART GRIDS-WEEK SALZBURG 09

In Europe and throughout the world billions of Euros are being invested in structural changes in the electricity sector in order to meet the growing challenges facing this central infrastructure. Initiated by the Austrian Federal Ministry for Transport, Innovation and Technology and based on results of recent research programs a Smart Grids strategy process was started in Austria some years ago.

Supported by additional means from the energy and climate funds, it was possible to extend this activity into last year. By taking steps so early, involving high levels of research, grid operators and industry as well as making use of the specialist know-how available in Austria, an exceptional starting position was created. In the course of the "Smart Grids Week Salzburg 09", current research activities will be presented and put into the international context.

## SMART GRID ROADMAP

In order to develop effective links between industry, the electricity sector as well as research, the Austrian Technology Platform Smart Grids was founded in 2008 – under the leadership of Siemens Austria. It was presented at the "Smart Grids Week Vienna 2008". This platform is a union of Austrian companies and innovators in the field of Smart Grids, aiming to hedge the market position of the Austrian industry via research and innovation in the middle and long-term by fostering the necessary dialogue between the various stakeholders.

The roadmap „Smart Grids Austria“ which is currently operating, will be presented and discussed at the Smart Grids Week Salzburg 09 for the first time. Within this roadmap, the opportunities and necessary frame conditions for the developments and implementation are to be demonstrated.

The "Smart Grids Week Salzburg 09" is the most important event within the field of Smart Grids this year in Austria.



### Organisation:

Hubert Fechner, Institute for Renewable Energy, University of Applied Sciences, FH Technikum Wien, Giefinggasse 6, A-1210 Wien

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The way from the existing grid-infrastructures to a broad application of smart grids is a high challenge for the energy sector. Salzburg AG sees this challenge as an opportunity and has been working intensively in the field of smart grids for many years. We are working actively in several R&D projects as well as in different working groups and committees.



As host of the smart grids week 2009 we are pleased to welcome you to our premises and wish you an interesting and successful conference.

*August Hirschbichler, Salzburg AG Board Member*

Infrastructure in the electricity sector is essential for our society. It must be ensured that it can meet new challenges, which comes with a new electricity supply system, predominately based on sustainable energy sources. Within this global technology development, Austria has the chance to play a leading role.



The Austrian Federal Ministry for Transport, Innovation and Technology is actively supporting this process. The smart Grids week has performed a valuable function in this for the last years.

*Doris Bures, Federal Ministry for Transport, Innovation and Technology*

## SMART GRIDS-WEEK 09

**Wednesday, May 13, 2009**

**Pre-Program – International Workshops**

**Thursday, May 14, 2009**

**Smart Grids Conference  
Salzburg 2009**

**Friday, May 15, 2009**

Wednesday, May 13, 2009

**9.30 – 13.00 DG-Interconnection requirements in Europe (European laboratory of DER)**

One of the objectives of the DERlab project is to perform pre-normative research in order to assist standardization working groups in tackling the topical issues of interconnection of distributed energy resources to the electrical network. (Konferenzsprache: Englisch).

*Contact and Registration: Benoit.bletterie@arsenal.ac.at*

**9.00 – 13.00 Economic Aspects of Smart Grids (Kondea) (in German language only)**

KONDEA deals with the conception of economically and technically feasible business models for distribution grid operators, generators as well as end users, suited to become operational in active Austrian distribution grids.

**9.00 – 13.00 Research-Infrastructures for Smart Grids (SimTech Concept)**

(in German language only)

The project SimTech Concept is aiming to develop a Research and Simulation Laboratory which is able to investigate the main challenges, advantages and implications which occur in the interaction of various decentralized electricity sources

*Registration: Christoph.Mayr@arsenal.ac.at*

**14.00 – 17.30 Control-Concepts for Smart Grids (in German language only)**

Based on promising results from R&D projects aiming to implement Smart Grids, the developed control concepts will be improved in order to be used in demonstration projects.

*Registration: Helfried.Brunner@arsenal.ac.at*

**14.00 – 18.00 The Role of MICRO-CHP (in German language only)**

The project "Micro-CHP" evaluates perspectives for Micro-CHP Technologies until 2050 in Austria; the project "CHP-Grid" analyses the impacts of CHP-Groups on the operation and further planning of distribution grids. This workshop is designed to discuss the first project results.

*Registration: rezania@eeg.tuwien.ac.at*

**14.00 – 18.00 DG Market Integration (EU Project-IMPROGRES)**

The IMPROGRES project aims to identify possible improvements in the optimal social outcome of market integration of DG/RES in European electricity markets. For detailed information please visit [www.improgres.org](http://www.improgres.org) (Conference Language English)

*Contact and Registration: prueggler@eeg.tuwien.ac.at*

**More information:**

**[www.e2050.at/smartgridsweek](http://www.e2050.at/smartgridsweek)**

# Smart Grids Conference Salzburg 2009

Thursday, May 14, 2009

## 9.30 Opening

*Gabi Burgstaller, Governor of Salzburg*

*Arno Gasteiger, Director Salzburg AG*

*Ingolf Schädler, Deputy Director General, Federal Ministry for Transport, Innovation and Technology*

## Smart Grids – National and International R&D Activities and Strategies

10.15 Smart Grids and the European SET Plan

*Martin Huemer, European Commission*

10.35 Strategies of the German Ministry of Economics in Smart Grids,  
Motivation for a 120 Mio.€ Demo-Program E-Energy

*Michael Zinke, German Ministry of Economics and Technology, Berlin*  
*Ludwig Karg, B.A.U.M.*

11.10 Smart Grids – A main area of the Swiss Energy research

*Michael Moser, Bundesamt für Energie, Bern*

11.30 The Strategy Process: Smart Grids in Austria

*Michael Hübner, Federal Ministry for Transport, Innovation and Technology*

11.50 Smart Grids in the U.S. and specific aspects of PV Grid-integration

*Forrest Small, Director Energy, Navigant Consulting, Inc., Massachusetts, USA*

## 12.10 Lunchbreak

## Smart Grids: The Austrian Approach

13.30 Austrian Industry in Smart Grids - Interview with representatives  
of leading industries

*(Fronius, Siemens, Schrack, ubitronix)*

14.00 Smart Infrastructures – the concept of Salzburg Netz GmbH.

*Michael Strebl, General Manager Salzburg Netz*

14.20 Smart Grids in the eyes of the electricity sector

*Tomas Müller, Ursula Tauschek, Association of Austrian Electricity  
Companies(VEÖ)*

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## Thursday, May 14, 2009

- 14.30 Expectations of the economy and the electricity sector in the conversion of the Electricity System  
*Wolfgang Pell, Verbund*
- 14.40 Austrian world-class research in Smart Grids  
*Anton Plimon, arsenal research - Austrian Institute of Technology*

### 15.00 Coffee Break

#### The Austrian Smart Grids Roadmap

- 15.30 Austria develops a Smart Grids-Roadmap  
*Andreas Lugmaier, head of the Austrian Technology platform  
Smart Grids, Siemens Österreich*
- 15.50 The Smart Grids Roadmap
- > Challenges for System technology and intelligent components  
*Helfried Brunner, arsenal research*
  - > The Role of ICT  
*Friederich Kupzog, TU Wien*
  - > Acceptance of SG und Commitment to new SG frame-conditions  
*Natalie Glück, arsenal research*
- 16.30 Round Table Discussion  
Expectations of the economy and the electricity sector in the conversion of the Electricity System  
*Gunter Kappacher, Siemens Österreich  
Director Werner Neyer, VKW-Netz  
Michael Hübner, Federal Ministry for Transport, Innovation and Technology  
Walter Tenschert, General Manager Energie AG Oberösterreich Netz GmbH  
Roland Wernik, Salzburg Wohnbau  
Kurt Aigner, Infineon*

**18.30 INVITED DINNER, SPONSORED BY SALZBURG AG,  
DEPARTURE AT MAIN ENTRANCE OF SALZBURG AG**

# Smart Grids Conference Salzburg 2009

Friday, May 15, 2009

## Ongoing Austrian R&D activities in Smart Grids

- 9.00 Presentation and Discussion of the results of the Workshops of May 13  
Moderation: Helfried Brunner and Andreas Lugmaier
- > Business models for Smart Grids
  - > CHP's and other decentralized energy sources, requirements, solutions
  - > Research Infrastructures for Smart Grids

### 11.00 Coffee Break

- 11:30 Activities in the Austrian Climate and Energy Fund in Smart Grids and E-Mobility  
*Hemma Bieser, Climate and Energy Fund*

## E-Mobility and Smart Grids – Aspects of the Austrian Vision

- 11.50 Austrian Industry in E-Mobility – Interview with representatives of Austrian Industry  
Implications of E-Mobility for the energy system  
*Heidi Gerbracht, Institut für Industriebetriebslehre und industrielle Produktion, Universität Karlsruhe (TH)*
- Bi-directional Grid-Integration of E-Vehicles with new Smart Metering Systems, Fleet test of VW-EON, *Christof Wittwer, ISE Freiburg*
- Power requirement and charge strategies of E-mobility for future energy Systems, *Christoph Leitinger, Institut für elektrische Anlagen und Energiewirtschaft, TU Wien*
- The E-Mobilitäty-Project of Salzburg AG, *August Hirschbichler*

### 13.30 Closing Remarks

- Director August Hirschbichler, Salzburg AG*  
*Michael Hübner, Federal Ministry for Transport, Innovation and Technology*

## LUNCH

### 14.30 End of Conference

### Registration:

[www.e2050.at/smartgridsweek](http://www.e2050.at/smartgridsweek)

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### Hotelreservations:

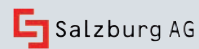
Mercure Hotel Reservation No.: 119686

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**Smart Grids Week 09 is jointly organised  
by BMVIT and Salzburg AG**



### Co-Organiser:



### Supported by:



## *ENERGIE 2050 - An Initiative by the BMVIT*

*Austrian Federal Ministry for Transport, Innovation and Technology BMVIT*

*Division of Energy- and Environmental Technologies*

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**[www.e2050.at](http://www.e2050.at)**

