



# Participant Profile

for the  
**Turkish-German Strategy Workshop 2006**  
**TÜBİTAK Marmara Research Center,**  
**Istanbul- Gebze Turkey**  
**13 – 15 December 2006**



International Bureau (IB)  
of the Federal Ministry of  
Education and Research  
(BMBF)

## 1. Contact details and personal information

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<b>Postcode and City:</b>			

<sup>1</sup> **Role/function** e.g. working group leader, managing director, postdoc, PhD etc.

<sup>2</sup> **Organisation type** e.g. university, research institution, small and medium enterprise (SME), industry etc.

<b>Working Group:</b>	<input type="checkbox"/> 1 Material Technologies <input type="checkbox"/> 2 Biotechnology, Genomics and Food <input checked="" type="checkbox"/> 3 Energy <input type="checkbox"/> 4 Information and Communication Technologies <input type="checkbox"/> 5 Environmental Protection, Climate Change and Sustainable Development
<b>Areas of activity:</b>	<input checked="" type="checkbox"/> research <input checked="" type="checkbox"/> technology development <input type="checkbox"/> demonstration <input type="checkbox"/> training <input type="checkbox"/> dissemination <input type="checkbox"/> other:
<b>Keywords characterising your area of research:</b>	<p><b>Please choose the appropriate key words (max. 5) from the following list:</b>  <a href="http://www.cordis.lu/fp6/keywords">http://www.cordis.lu/fp6/keywords</a></p> <p>06.03.14.00.00.00.00 Information technology  06.03.04.04.00.00.00 Software technology  06.03.04.06.01.00.00 Middleware  06.03.04.06.02.00.00 Systems analysis and models development  06.03.08.05.00.00.00 Electricity grid systems</p>
<b>Expertise, technologies and infrastructures available in your institution:</b>	<p><b>Research activities / expertise:</b>  ICT for Decentralised Energy / Smart Grids</p> <p><b>Methods:</b> SW-Engineering, IT-Architecture</p> <p><b>Key technologies:</b> Integration, SOA, Gridtechnologies, Ontologies/Semantic Web, Interoperability (CIM)</p> <p><b>Infrastructures:</b></p> <p><b>Key publications:</b>  Interaction of EMS related systems by using the CIM standard, Mathias Uslar, Tanja Schmedes, Andreas Lucks, Till Luhmann, Ludger Winkels, Hans-Jürgen Appelrath, Proceedings of the ITEE 2005 Magdeburg  Data model integration and data stream management as interoperability issues in the utility domain, Mathias Uslar, Tanja Schmedes, IHIS ACM CIKM 2005</p> <p>Semantic Interoperability within the Power Systems Domain, Mathias Uslar, Proceedings of the First International Workshop on Interoperability of Heterogeneous Information Systems in conjunction with the ACM Conference on Informatics</p>



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## 2. Past and present research collaborations

**Are you familiar with the European Framework Programme?**

**Yes**

**No**

- with Framework Programme 5
- with Framework Programme 6
- with Framework Programme 7

**EU-projects you are involved in:**

**Past projects**

**Present projects**

**Programme title / contract number / title / acronym / your function (coordinator / partner / contractor)**

2.4.13 Strengthening the Integration of the ICT research effort in an Enlarged Europe Focus: eHealth/027074/ Intelligent Healthcare Monitoring based on Semantic Interoperability Platform /SAPHIRE / partner

2.4.11 Integrated biomedical information for better health: eHealth / 027065/ A Roadmap for Interoperability of eHealth Systems in Support of COM 356 with Special Emphasis on Semantic Interoperability/ RIDE / partner

G038-507618/ DELOS : a network of excellence on Digital Libraries / Partner

**Other international collaborations:**

**Name(s) and contact details of potential partners:**

**If you would like to suggest the participation of particular partners from the partner country based on existing contacts or collaboration experience, you are welcome to indicate their names and contact details below:**

## 3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

OFFIS is an application-oriented research and development institute and a centre of excellence for selected areas of information technology and its fields of application. Energy production and supply is an area which currently undergoes significant changes calling for special ICT support and raising a some interesting research questions. Therefore, OFFIS is involved in a number of research projects in the energy context. Three of these projects, DEMS, FEN, and WISENT, will briefly be presented at the workshop in order to find overlapping interest with the workshop participants.

DEMS is concerned with questions arising from the concept of decentralized energy management. In this project, OFFIS has the task of developing adequate system architectures, data and process models and cooperates with a number of research partners as well as a regional energy provider.

FEN is an interdisciplinary research network working in the areas of energy system technology, energy storage technology, and energy management.

In WISENT OFFIS provides a collaborative grid-based platform for the storage and exchange of information and knowledge in the area of energy meteorology. WISENT is part of the German E-Science / D-Grid initiative.

For a practical and sustainable implementation of research results, OFFIS is used to collaborate with industry partners. One of these partners is the BTC AG, a large consultancy and software company, which is based a.o. in Oldenburg but also in Istanbul and might hence strengthen the cooperation of OFFIS with other Turkish partners.



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**I agree with the publication of my data on the Workshop website!**

**PLEASE FILL IN THIS FORM UNTIL 22 SEPT. 2006 AND RETURN IT TO:**

**Internationales Buero des BMBF**  
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