

Professional Partners for a  
Professional Team – the  
**AMONCO**  
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For any Further  
Information

Workshop



BIOGAS –  
FUEL CELLS ...



please contact

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Please visit the  
AMONCO Website:  
<http://www.eva.ac.at/amonco>

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Directorate-General Science,  
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... advanced prediction,  
monitoring and controlling  
of anaerobic digestion  
processes behaviour  
towards biogas  
usage in  
Fuel Cells

Expert-Workshop  
**State-of-the-art  
Utilisation of  
Biogas in Fuel Cells**  
& 2<sup>nd</sup> Business  
Interest Group Meeting

September 17<sup>th</sup> 2004, 10:00 – 14:00  
Hamburg/Germany

ANNOUNCEMENT

August 2004



### Topics of this Expert-Workshop

- Biogas Production for Fuel Cells
- The Usage of Biogas in Fuel Cells – Results from comprehensive laboratory tests
- Implementation & Solutions – Outlook
- Background-Information on the EU-Project “AMONCO – Biogas Fuel Cells”.

### Aims of this Expert-Workshop

The workshop and 2<sup>nd</sup> Business Interest Group meeting will be held as a side event to Hamburg's “H<sub>2</sub>Expo – International Trade Fair for Hydrogen and Fuel Cell Technologies”.

This event is addressing experts from R&D-institutes, industry, funding institutions, consultancies, representatives from the public sector as well as policy makers and is open for all in general, who are interested in these topics.

As the AMONCO project will be finalised already by the end of November 2004 the meeting will provide the ideal opportunity to present and review the achieved AMONCO project's results.

Furthermore this workshop will facilitate in-depth discussions on various aspects in the field of utilisation of biogas in fuel cells and offer the chance to build new contacts, too.

### Background of the Project “AMONCO – Biogas Fuel Cells”

The primary activity of AMONCO project is the cost-effective utilisation of biogas from anaerobic digestion (AD) in fuel cells. The core objectives include:

- the avoidance of detrimental trace gases in biogas through optimal composition of feed-stocks,
- the advanced controlling of the anaerobic digestion process to hinder the formation of trace gases while keeping high CH<sub>4</sub> yield,
- suitable and cost-effective biogas cleaning towards the utilisation in fuel cells,
- the investigation und assessment of the performance of biogas in fuel cells,
- the development of techno- and socio-economic “market driven” implementation strategies.

### The AMONCO Business Interest Group

The formation of a Business Interest Group is intended to implement achieved project results in further market-driven spin-off projects. The information exchange of state-of-the-art project results will enable interested companies, operators of biogas plants and other stakeholders to be among the first to implement AMONCO biogas fuel cells into competitive markets.

### Program

10:00	<b>Registration</b>	11:55	<b>Coffee-Break</b>
10:15	Welcome by Chair Günter Simader, E.V.A., the Austrian Energy Agency, Austria	12:25	<b>Biogas Fuel Cell Systems applying MTU's Hot Module Technology</b> Gerhard Huppmann, MTU Friedrichshafen GmbH, Germany
10:25	<b>EU Project AMONCO – Overview of the achieved results</b> Steven Trogisch, PROFACTOR, Austria	12:55	<b>Market Potential and -analysis of Biogas Fuel Cells in Germany, Austria and Slovakia</b> Michael Schlieker, EBV Management Holding AG, Germany, Volker Jaensch, Deutsche Energie-Agentur GmbH, Germany
10:55	<b>Controlled Biogas-Production for Fuel Cells</b> Peter Holubar, Institute of Applied Microbiology, BOKU – University of Natural Resources and Applied Life Sciences, Austria	13:25	<b>Questions and Answers Open Space</b>
11:25	<b>The Usage of Biogas in Fuel Cell Systems</b> Paloma Ferreira-Aparicio, CIEMAT-CSIC, Spain	13:50	<b>Conclusions and Outlook</b>
		14:00	<b>End of Meeting</b>

### Venue

H<sub>2</sub>Expo Hamburg: [www.h2expo.de](http://www.h2expo.de)  
Hamburg Messe und Congress GmbH,  
St. Petersburger Straße 1, D-20355 Hamburg

The participation at the AMONCO Business Interest Group meeting is free of charge for H<sub>2</sub>Expo-visitors.

### Registration – please contact

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Further project information is available from [www.eva.ac.at/amonco](http://www.eva.ac.at/amonco)