

Registration

Complete this form and send it to the contact person at the location you wish to attend. The workshops are free of charge but the number of seats is limited.

I wish to register to the workshop below. If I will be unable to attend, I will notify the organisers as quickly as possible to allow others to participate.

Aachen, 13 May 2009 Esslingen, 17 June 2009

Maribor, 30 June 2009

Name:

First Name:

Company / Institute:

Department:

PO Box / Address:

Country: ZIP Code: Town:

Telephone:

Telephone (mobile):

Fax:

e-mail

Date:

Signature:

Contact

Aachen:

Markus Espig

Tel: +49 (0)241 / 80 – 2 56 40

<http://www.ika.rwth-aachen.de>

espig@ika.rwth-aachen.de

Fax: +49 (0)241 / 80 – 2 21 47

Esslingen:

Matti Lubkoll

Tel: +49 (0)176 / 24 11 46 25

<http://www.hs-esslingen.de>

matti.lubkoll@hs-esslingen.de

Fax: +49 (0)711 / 3 97 33 28

Maribor:

Miro Milanovic

Tel: +386 (0)2 / 2 20 73 30

<http://www.uni-mb.si>

milanovic@uni-mb.si

Fax: +386 (0)2 / 2 20 73 15



Fuel Cell Hybrid Vehicle System Component Development

TECHNICAL WORKSHOPS

Aachen 13 May 2009	Institut für Kraftfahrzeuge Steinbachstraße 7 52074 Aachen Germany	
Esslingen 17 June 2009	Hochschule Esslingen Kanalstraße 33 73728 Esslingen Germany	
Maribor 30 June 2009	UM FER Smetanova 17 2000 Maribor Slovenia	

HySys is funded by the European Commission
under contract no. 019981. www.hysys.org



HySys Project Objectives

Goals:

- Improvement of fuel cell system components for market readiness
- Improvement of electric drive train components (synergies FC and ICE hybrids) for market readiness
- Optimisation of system architecture for low energy consumption, high performance, high durability and reliability
- Optimisation of energy management
- Development of low cost components for mass production
- Validation of component and system performance on Fuel Cell Vehicles

Targets:

- Low cost automotive electrical turbochargers for air supply with high efficiency and high dynamics
- Low cost humidifiers with high packaging density
- Low cost hydrogen sensors for automotive use
- Effective low cost hydrogen supply line
- High efficient, high power density drive train
- Low cost high power Li-Ion batteries
- Enhanced FC-drive train efficiency

Target Audience for these Workshops

The workshops announced herewith address everybody with a deep interest in hybrid and fuel cell propulsion technologies. Although some technical background knowledge in fuel cells and vehicle technology is desirable, the workshops are open for everyone. All three workshops feature the same agenda.

Presenters

High-profile presenters from the project consortium will talk about the different topics and provide you with a unique insight into the technical development of fuel cell hybrid vehicle systems in Europe.

The workshop language is English.

Workshop Programme

9:30 – 9:45	Welcome & Introduction ika/RWTH Aachen, HS Esslingen, Uni Maribor
9:45 – 10:30	Fuel Cell Based Powertrains for HEVs PSA, Daimler
10:30 – 10:45	Introduction to HySys Daimler, PSA
Coffee Break	
11:15 – 11:45	Hybrid Electric Powertrain Optimization AVL
11:45 – 12:15	Synergies among FC and ICE Hybrid Vehicles ika/RWTH Aachen, HS Esslingen
Lunch Break	
13:30 – 14:15	Electric Motors and Power Electronics CRF, Continental, Daimler
14:15 – 15:00	Advanced Battery Technology for Fuel Cell Vehicles Saft, Magna
Coffee Break	
15:30 – 16:15	New Air and Humidification Management NuCellSys, Daimler
16:15 – 17:00	Hydrogen Supply System CRF, Bosch
9:00 – 18:00	Presentation of a FC Vehicle