

# HANNOVER MESSE 2008

April 21 – 25, Hall 13, G 66



GRUPEXHIBIT

HYDROGEN

FUEL CELLS

**Floor Plan ■ Forum Program ■ Exhibitor Listings**

**Europe's largest and most important H2/FC exhibition!**

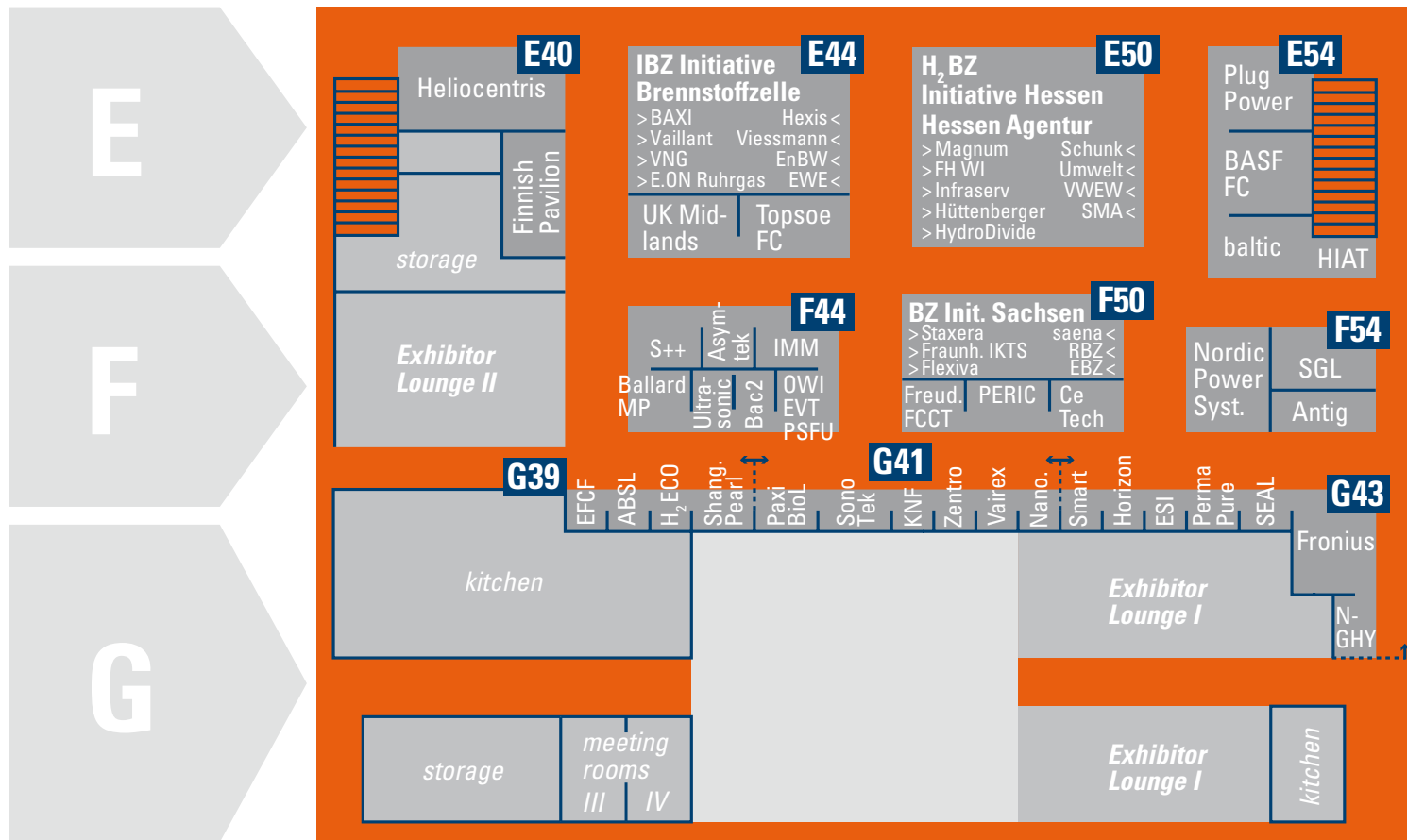
- 156 Exhibitors from 23 Nations
- Over 100 interviews at the central Forum
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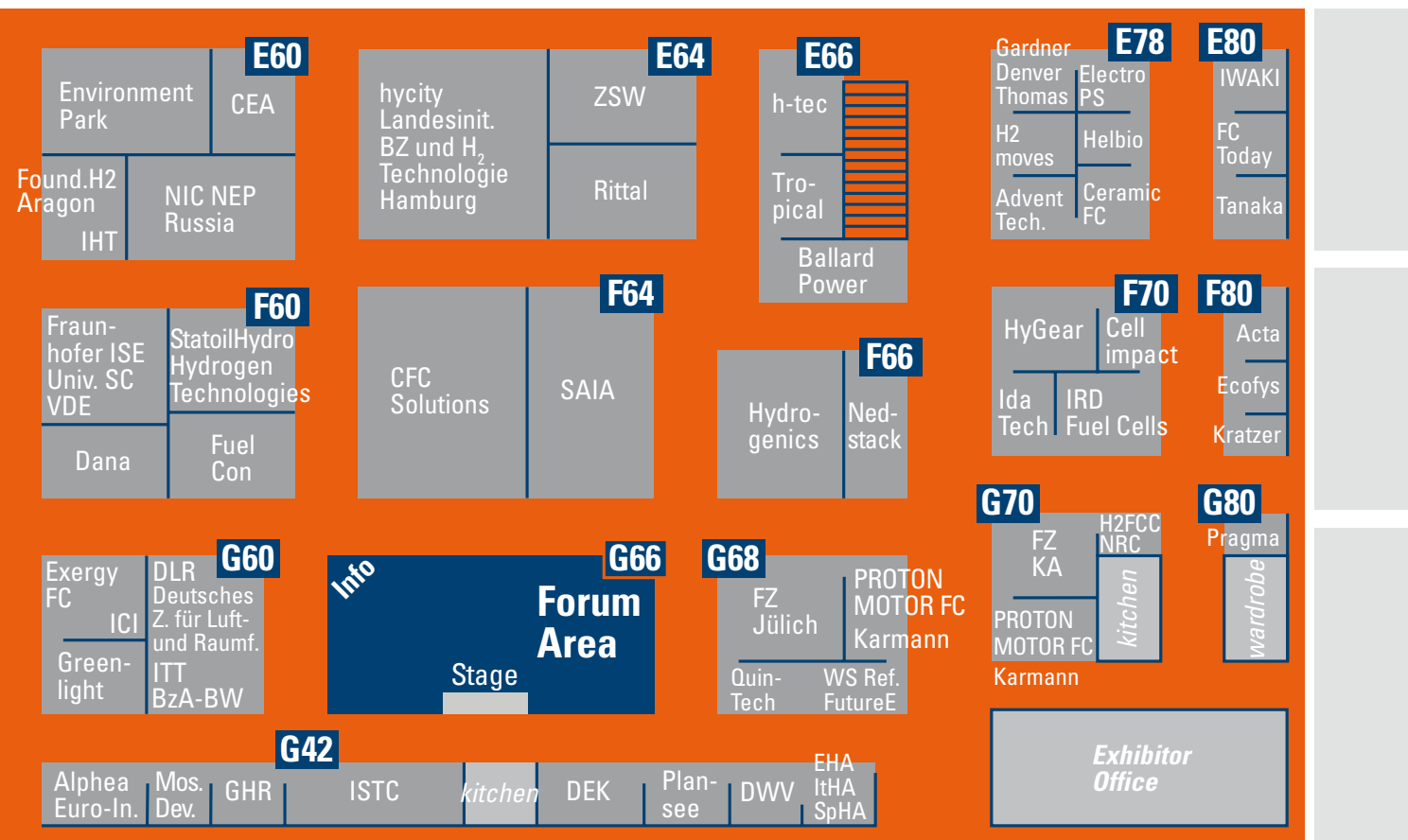
Tobias Renz FAIR-PR

# Floor Plan *Hall 13, G 66*



Exhibitor	Booth No.
ABSL Power Solutions Ltd.	G39/6
Acta S.p.A.	F80/1
Advent Technologies S.A.	E78/5
Airbus Deutschland GmbH	E64/1
ALPHEA HYDROGENE	G42/2
Antig Technology Co., Ltd.	F54/3
Asociación Española del Hidrógeno.	G42/9
Asymtek, A Nordson Company.	F44/2
Bac2 Ltd.	F44/5
Ballard Material Products Inc.	F44/7
Ballard Power Systems Inc.	E66/3
balticFuelCells GmbH	E54/3
BASF Fuel Cell GmbH	E54/2
BAXI INNOTECH GmbH	E44/1, E64/1
Bio-Logic SAS	G41/1
Brennstoffzellen Allianz Baden-Württemberg (BzA-BW).	G60/2
Brennstoffzellen Initiative Sachsen e.V.	F50/1
CEA - Nouvelles Technologies de l'Énergie	E60/2
Cell Impact AB	F70/2
Ceramic Fuel Cells Limited	E78/4
CeTech Co., Ltd.	F50/2
CFC Solutions GmbH.	F64/1
City of Hamburg, Ministry for Urban Development and the Environment (BSU).	E64/1
Dana Holding Corporation	F60/4
DEK International GmbH Zürich/CH	G42/7
Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), ITT	G60/2
E.ON Hanse AG.	E64/1
E.ON Ruhrgas AG	E44/1
Ecofys International B.V.	F80/2
Electro Power Systems S.p.A.	E78/2
EnBW Energie Baden-Württemberg AG	E44/1
Entwicklungs- und Vertriebsgesellschaft Brennstoffzelle mbH	F50/1
Environment Park S.p.A.	E60/1
ESI Group	G43/3
Euro-Innovation SA	G42/2
European Hydrogen Association (EHA)	G42/9
EVT Gesellschaft für Energieverfahrenstechnik mbH.	F44/4
EWE AG	E44/1

Exhibitor	Booth No.
Exergy Fuel Cells srl	G60/1
Fachhochschule Wiesbaden, Studienbereich Physikalische Technik	E50/1
FLEXIVA automation & Robotik GmbH.	F50/1
Flughafen Hamburg GmbH, Umweltreferat.	E64/1
Forschungszentrum Jülich GmbH	G68/1
Forschungszentrum Karlsruhe GmbH, Institut für Kern- und Energietechnik.	G70/1
Fraunhofer-Institut für Keramische Technologien und Systeme IKTS	F50/1
Fraunhofer-Institut für Solare Energiesysteme ISE	F60/1
Freudenberg FCCT KG, Freudenberg Fuel Cell ComponentTechnology	F50/4
Fronius International GmbH, Solar Electronics Division	G43/6
Fuel Cell Finland (The Federation of Finnish Technology Industries)	E40/2
Fuel Cell Today Ltd.	E80/2
FuelCon AG	F60/3
FutureE Fuel Cell Solutions GmbH	G68/3
Gardner Denver Thomas GmbH	E78/1
German Hydrogen and Fuel Cell Association e.V. (DWW)	G42/9
Germanischer Lloyd AG.	E64/1
GHR Hochdruck-Reduziertechnik GmbH	G42/4
GKSS-Forschungszentrum Geesthacht GmbH	E64/1
H.I.A.T. gGmbH, Hydrogen Institute of Applied Technologies	E54/3
H2 ECOmy, CJSC.	G39/7
H2 BZ Wasserstoff- und Brennstoffzellen-Initiative Hessen e.V.	E50/1
H2moves.eu	E78/6
H.Yacht GmbH	E64/1
HA Hessen Agentur GmbH, Projekt Brennstoffzelle.	E50/1
Hamburg Innovation GmbH, University of Hamburg.	E64/1
HAMBURG WASSER	E64/1
Hamburger Hochbahn AG	E64/1
HELBIO S.A., Hydrogen and Energy Production Systems.	E78/3
Heliocentris Energiesysteme GmbH.	E40/1
Hermes Logistik GmbH & Co. KG.	E64/1
Hexis AG	E44/1
Horizon Fuel Cell Technologies Pte. Ltd.	G43/2
h-tec Education, Wasserstoff-Energie-Systeme GmbH, Hydrogen Energy Systems.	E66/1
Hüttenberger Produktionstechnik Martin GmbH.	E50/1



Exhibitor	Booth No.
hycity - Landesinitiative Brennstoffzellen- und Wasserstofftechnologie Hamburg	E64/1
HydroDivide AG	E50/1
Hydrogen & Fuel Cells Canada	G70/2
Hydrogen Technologies AS	F60/2
Hydrogenics Corporation	F66/1
HyGear B.V.	F70/1
hySOLUTIONS GmbH	E64/1
ICI Caldaie S.p.A.	G60/1
IdaTech, LLC	F70/4
IHT Industrie Haute Technologie SA	E60/4
IMM - Institut für Mikrotechnik Mainz GmbH	F44/3
Infraserv GmbH & Co. Höchst KG	E50/1
Initiative Brennstoffzelle (IBZ)	E44/1
International Science and Technology Center	G42/5
IRD Fuel Cells A/S	F70/3
Italian Hydrogen and Fuel Cell Association	G42/9
IWAKI Europe GmbH	E80/1
Kalmar Industries Oy	E40/2
Karlsruhe Institute of Technology	G70/1
KNF Neuberger GmbH	G41/3
Kratzer Automation AG	F80/3
Linde AG / Linde Gas	E64/1
MAGNUM Automatisierungstechnik GmbH	E50/1
Moselle Développement	G42/3
N <sub>2</sub> telligence GmbH	E64/1
Nanomaterials Discovery Corporation	G41/6
National Innovation Company, "New Energy Projects" Ltd. (NIC-NEP)	E60/3
National Research Council, Institute for Fuel Cell Innovation	G70/2
NedStack fuel cell technology B.V.	F66/2
N-GHY fuel processors for fuel cells, S.A.	G43/7
Nordic Power Systems AS	F54/1
Oel-Wärme Institut gGmbH	F44/4
Oy Hydrocell Ltd	E40/2
PaxiTech SAS	G41/1
Perma Pure LLC	G43/4
PLANSEE SE	G42/8
Plug Power Inc.	E54/1
Pragma Industries, Fuel cells and test equipment	G80/1

Exhibitor	Booth No.
ProfilSchleif-, Fertigungs- & Umwelttechnik GmbH	F44/4
PROTON MOTOR Fuel Cell GmbH	G68/2
Purification Equipment Research Institute of CSIC, China	F50/3
QuinTech e.K.	G68/3
RBZ Riesaer Brennstoffzellentechnik GmbH	F50/1
Rittal GmbH & Co. KG	E64/3
S++ Simulation Services Ralf Kraume	F44/1
Sächsische Energieagentur GmbH	F50/1
Saia-Burgess Dreieich GmbH & Co. KG	F64/2
Schunk Bahn- und Industrietechnik GmbH	E50/1
Schutzgemeinschaft Deutscher Wald, Landesverband Hamburg e.V.	E64/1
SEAL S.p.A.	G43/5
SGL TECHNOLOGIES GmbH	F54/2
Shanghai Pearl Hydrogen Power Source Technology Co., Ltd.	G39/9
SMA Technologie AG	E50/1
SMART Electronic Development GmbH	G43/1
Sono-Tek Corporation	G41/2
StatoilHydro Hydrogen	F60/2
Staxera GmbH	F50/1
STILL GmbH	E64/1
Tanaka Kikinzoku Kogyo K.K.	E80/3
Tekes - the Finnish Agency for Technology and Innovation	E40/2
The Foundation for Hydrogen in Aragon	E60/4
Topsoe Fuel Cell A/S	E44/2
TROPICAL S.A.	E66/2
Umwelt-Campus Birkenfeld / Fuel Cell Centre	E50/1
University of South Carolina, Center for Fuel Cells	F60/1
Vaillant Deutschland GmbH & Co. KG	E44/1
VAIREX Corporation	G41/5
Vattenfall Europe Hamburg AG	E64/1
VDE Testing and Certification Institute e.V.	F60/1
Viessmann Werke GmbH & Co. KG	E44/1
VNG - Verbundnetz Gas Aktiengesellschaft	E44/1
VTT Technical Research Centre of Finland	E40/2
VVEW Energieverlag GmbH	E50/1
Wärtsilä Finland Oy	E40/2
WS Reformer GmbH	G68/3
Zentro-Elektrik GmbH KG	G41/4
Zentrum für Sonnenenergie- und Wasserstoff-Forschung, Baden-Württemberg (ZSW)	E64/2

# Forum Program

## Monday, April 21

- 10:00 AM **Cooperation for fuel cell driven light trucks**  
Felix Heidelberg, CEO, *PROTON MOTOR Fuel Cell GmbH*,  
Dr. Christian P. Eick, *Wilhelm Karmann*
- 10:20 AM **2008 – A big year ahead at FCCL**  
Brendan Dow, Managing Director, *Ceramic Fuel Cells Limited*
- 10:40 AM **HotModule 2nd Generation – CFC Solutions' new product family**  
Ulrich Ruwier, Managing Director, *CFC Solutions GmbH*
- 11:00 AM **Fuel cell innovations from Hesse**  
N.N., *HA Hessen Agentur GmbH*, *Projekt Brennstoffzelle*
- 11:20 AM **Source for heat and power – Residential application**  
Helmut Roloff, *Initiative Brennstoffzelle (IBZ)*
- 11:40 AM **Accelerating fuel cell commercialization**  
Jochen Straub, Sales Account Manager, *Ballard GmbH*
- 12:00 PM **Fuel cell forklift use in the harbor**  
Jürgen Wrusch (Still AG), Christian Tüchel (Linde AG),  
*Landesinitiative BZ und H2 Hamburg*
- 12:20 PM **Diesel fuel cell generators as driveline in hybrid / el vehicles**  
Dag Ovrebo, Technical Director, *Nordic Power Systems AS*
- 12:40 PM **Fuel cells in early markets**  
Siegfried Suchanek, Director Research & Basic Development /  
Energy Technology, *Rittal GmbH & Co. KG*
- 1:00 PM **PEM and DMFC power modules for CHP and battery substitution**  
Dr. Jørgen S. Lundsgaard, CTO, *IRD Fuel Cells A/S*
- 1:20 PM **Fronius Energy Cell: Clean energy – On tap whenever it's needed**  
Dr. Ewald Wahlmüller, Project Management Energy Cell,  
*Fronius International GmbH*, *Solar Electronics Division*
- 1:40 PM **Electrolyzers and fuel cells for markets**  
Uwe Kueter, CEO, *h-tec Education*, *Hydrogen Energy Systems*
- 2:00 PM **Opening Press Conference (in German)**  
NIP – das nationale Milliardenprogramm  
Dr. Werner Brinker, Vorstandsvorsitzender, *EWE AG*  
Guido Gummert, Geschäftsführer, *BAXI Innotech GmbH*  
Ulrich Ruwier, Geschäftsführer, *CFC Solutions GmbH*  
Prof. Dr.-Ing. Detlef Stolten, Institutsleiter,  
*Forschungszentrum Jülich GmbH*
- 2:40 PM **Fuel Cells - The Future of microCHP**  
Alexander Dauensteiner, Leader of FC Product Management,  
*Vaillant Deutschland GmbH & Co. KG*
- 3:00 PM **The development of highly-effective MEAs**  
Alexey B. Tarasenko, Project Leader,  
*National Innovation Company*, "New Energy Projects" Ltd.
- 3:20 PM **H2 production from H2-containing chemicals, its usage in energetics and transport**  
Dr. Victor Emel'yanov, Targeted Initiative Manager,  
*International Science and Technology Center (ISTC)*
- 3:40 PM **Fuel cell in every pocket – The market ready solution from Antig**  
Brent McKendry, CEO, *Antig Technology Co., Ltd.*
- 4:00 PM **Projects HysyVision and FC Auto: Development of H2 supply chain**  
Alessandro Graizzaro, Engineer, *Environment Park S.p.A.*
- 4:20 PM **Fuel cell activities in Finland**  
Anneli Ojapalo (Tekes), Jari Ihonen (VTT), Jerri Laine (Wärtsilä),  
*Finnish Pavilion*
- 4:40 PM **Hydrogen technologies in Aragon (Spain), products and services**  
Luis Carlos Correias, Managing Director,  
*The Foundation for Hydrogen in Aragon*

## Tuesday, April 22

- 10:00 AM **Current status of TANAKA's catalyst products line for FC market**  
Fumiaki Ogura, Section Chief, Marketing of Fuel Cell Catalyst  
Development, *Tanaka Kikinzoku Kogyo K.K.*
- 10:20 AM **Acta's new catalyst developments for H2 generation, portable power and waste to value**  
Jason Davies, Sales Director and Damian Thomas, Technical  
Manager, *Acta S.p.A.*
- 10:40 AM **Hydrogen and Fuel Cell Development at CEA**  
N.N., *CEA - Nouvelles Technologies de l'Énergie*
- 11:00 AM **Safety-relevant testing of portable fuel cell systems**  
Dr. Christopher Hebling, Department Head,  
*Fraunhofer-Institut für Solare Energiesysteme ISE*

- 11:20 AM **Why water electrolyzers will increase its share of world H2 production**  
Henning G. Langås, Director of Sales & Marketing,  
*Hydrogen Technologies AS*
- 11:40 AM **The future for detached houses: The Fuel Cell Heating System**  
Guido Gummert, Managing Director, *BAXI INNOTECH GmbH*
- 12:00 PM **SOFC technology on the way to commercialization**  
Dr. Christian Wunderlich, Managing Director, *Staxera GmbH*
- 12:20 PM **Status of PEM power plant, achievements and new products**  
Jan Piet van der Meer, VP Sales & Marketing, Erik Middelma, CTO,  
*NedStack fuel cell technology B.V.*
- 12:40 PM **Microstructured fuel processors for mobile and small stationary applications**  
Dr. Gunther Kolb, Head of Energy Technology & Catalysis Department,  
*IMM - Institut für Mikrotechnik Mainz GmbH*
- 1:00 PM **CeTech's innovative gas diffusion layer**  
Sam Chen, Director of Europe Marketing & Sales, *CeTech Co., Ltd.*
- 1:20 PM **Alternative Technologies Fuel Cell (DEK solutions)**  
Darren Brown, Alternative Energy Development Manager,  
*DEK International GmbH Zürich/CH*
- 1:40 PM **Quality assurance in the fuel cell industry**  
Maik Schaumann, Marketing Manager,  
*balticFuelCells GmbH and H.I.A.T. gGmbH*
- 2:00 PM **Plug Power's products and plans**  
N.N., *Plug Power Inc.*
- 2:20 PM **Fuel cell systems for aircraft applications – potential benefits and challenges**  
Prof. Dr. Andreas Friedrich, Head of Section Electrochemical  
Energy Technology, *Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)*,  
*ITT* and Hans-Jürgen Heinrich, Head of System  
Powerplant Engineering EYVE, *Airbus Deutschland GmbH*
- 2:40 PM **PROTON MOTOR, Member of PPS Group, expands capacities in new location**  
Dr. Joachim Kroemer, Head of Sales,  
*PROTON MOTOR Fuel Cell GmbH*
- 3:00 PM **Metallic fuel cell plates**  
Dr. Joachim Scherer, Manager of R&D, *Dana Holding Corporation*
- 3:20 PM **BASF MEAs and catalysts enable competitive fuel cells**  
Dr. Carsten Henschel, VP Marketing & Sales,  
*BASF Fuel Cell GmbH*
- 3:40 PM **ZSW-Technologies for optimizing PEM and HT-PEMFC stacks**  
Dr. Ludwig Jörissen, Head of FC Department,  
*Zentrum für Sonnenenergie- und Wasserstoff-Forschung,  
Baden-Württemberg (ZSW)*
- 4:00 PM **Industrial fuel cell solutions from Saxony**  
Dr. Michael Stelter, Chairman,  
*Brennstoffzellen Initiative Sachsen e.V.*
- 4:20 PM **Jupiter FCS for back-up and grid independent power**  
Bettina Drehmann and Mark-Uwe Osswald, Managing Partners  
*FutureE Fuel Cell Solutions GmbH*
- 4:40 PM **Third Millenium's old electrolyser technology**  
Ernest Burkhalter, CEO, *IHT Industrie Haute Technologie SA*

## Wednesday, April 23

- 10:00 AM **New developments for fuel cell components**  
Dr. Volker Banhardt, Sales Europe, Manager Application  
Engineering, *Freudenberg FCCT KG*
- 10:20 AM **H2 technology development, outlook of the international market**  
Chen Tianshan, Overseas Marketing Manager,  
*Purification Equipment Research Institute of CSIC*
- 10:40 AM **New gas diffusion layer developments by BMP**  
Guy Ebbrell, Business Development Specialist,  
*Ballard Material Products Inc.*
- 11:00 AM **Novel technology for high rate production of metal bipolar plates**  
Per Sand, VP, *Cell Impact AB*
- 11:20 AM **HyNor - The Hydrogen Road of Norway**  
Dr. Vera Ingunn Moe, *StatoilHydro Hydrogen*
- 12:00 PM **Embedding Web-HMI - Combining PLC with Video, Multimedia & Entertainment**  
Peter Steib, KAM OEM, Urs Jäggi, TPM, *Saia-Burgess Controls AG*,  
Peter Brügger, CEO, *iniNet*



1:00 PM	<b>A perspective on progress in H2/FC markets</b> Daryl Wilson, Corporate President and CEO, <i>Hydrogenics Corp.</i>
1:20 PM	<b>Expand research from PEM &amp; DMFC to include SOFC &amp; HT PEM</b> Dr. Manuel Esayian, Deputy Director and Dr. John Van Zee, Director, <i>University of South Carolina, Center for Fuel Cells</i>
1:40 PM	<b>Metallic SOFC stack components – On the way to industrialization</b> Klaus Rissbacher, Manager Fuel Cell Technology, <i>PLANSEE SE</i>
2:00 PM	<b>Heliocentris' new business segment strategy</b> Dr. Henrik Colell, CEO, <i>Heliocentris Energiesysteme GmbH</i>
2:20 PM	<b>SOFC &amp; DMFC development: Performance and durability enhancement</b> Dr. Robert Steinberger-Wilckens, Project Management Fuel Cells PBZ, Jürgen Mergel, Head of DMFC Development, IEF-3, <i>Forschungszentrum Jülich GmbH</i>
2:40 PM	<b>Fuel cell systems for extended backup power</b> Hal Koyama, President & CEO, <i>IdaTech, LLC</i>
3:00 PM	<b>Zemships</b> Carola Thimm (hySOLUTIONS), Anke Stopler (BSU), <i>Landesinitiative BZ und H2 Hamburg</i>
3:20 PM	<b>Flexible OEM solutions for fuel cells</b> Herbert Hansel, Marketing, <i>Gardner Denver Thomas GmbH</i>
3:40 PM	<b>Introduction Hydrogen and Fuel Cell Initiative Hesse</b> N.N., <i>H<sub>2</sub>BZ Wasserstoff- und Brennstoffzellen-Initiative Hessen e.V.</i>
4:00 PM	<b>Proven business continuity cost reductions with Electro7™</b> Giuseppe Gianolio, CTO, <i>Electro Power Systems S.p.A.</i>
4:20 PM	<b>FLOX Compact Reformers – Products for LT- and HT-PEM systems</b> Dr.-Ing. Hans-Peter Schmid, General Manager, <i>WS Reformer GmbH</i>
4:40 PM	<b>tba</b> N.N., <i>VDE Testing and Certification Institute e.V.</i>

#### Thursday, April 24

10:00 AM	<b>The way to fuel cells' commercialization</b> Steve Shi, Marketing Manager, <i>Shanghai Pearl Hydrogen Power Source Technology Co., Ltd.</i>
10:20 AM	<b>Sustainable hydrogen production and distribution pathways</b> N.N., <i>European Hydrogen Association (EHA)</i>
10:40 AM	<b>"IQute" The next generation of fuel cell testing</b> Roger M. Barleben, Engineer, <i>QuinTech e.K.</i>
11:00 AM	<b>New Zirfon® separator for high efficiency alkaline water electrolysis</b> Wim Doyen and Jo Vanderaa, <i>Vito NV</i>
11:20 AM	<b>Building the H2-infrastructure</b> Jacques Smolenaars, Managing Director Marketing & Sales, <i>HyGear B.V.</i>
11:40 AM	<b>Fuel cell technology in aerospace</b> Hans-Jürgen Heinrich (Airbus), Pierre Varenne (Michelin), Heinrich Klingenberg (hySOLUTIONS), <i>Landesinitiative BZ und H2 Hamburg</i>
12:00 PM	<b>N-GHY technical assistance: The right H2 production system for your application</b> Elodie Herail, Quality, Security & Progress Engineer, <i>N-GHY fuel processors for fuel cells, S.A.</i>
12:20 PM	<b>Services and projects for the H2/FC industry</b> Michel Junker, Manager, <i>ALPHEA HYDROGENE</i>
12:40 PM	<b>Reformer fuel cell systems</b> Dr. Ing. Stephan Köhne, Managing Director, <i>EVT Gesellschaft für Energieverfahrenstechnik mbH</i>
1:00 PM	<b>Pressure reducing units with high pressure storage tanks for 700 bar</b> Jan Andreas, Product Manager Vatec, <i>GHR Hochdruck-Reduziertechnik GmbH</i>
1:20 PM	<b>Bio-methanol, regained interest? Business opportunities for fuel cells</b> Dr. ir. Robert van den Hoed, Senior Consultant, <i>Ecofys International B.V.</i>
1:40 PM	<b>Status and development in Germany</b> Dr. Ulrich Schmidtchen, <i>German Hydrogen and Fuel Cell Association e.V. (DWV)</i>
2:00 PM	<b>Evaluator test rigs as a basis for current and future diagnostic systems</b> Mathias Bode, Managing Board, <i>FuelCon AG</i>

2:20 PM	<b>Tropical's 1kW &amp; 5kW FC Systems in cooperation with Ballard Power Systems</b> George Kaplanis, H2 Dept. Manager, <i>TROPICAL S.A.</i>
2:40 PM	<b>Custom-made (OEM) pumps in fuel cell application</b> Ralf Langen, OEM Sales Germany, <i>IWAKI Europe GmbH</i>
3:00 PM	<b>New company assets</b> Andrea Fassina, COO, <i>Exergy Fuel Cells srl, Morphic Group</i>
3:20 PM	<b>Hydrogen safety research</b> Dr. Thomas Jordan, Project Manager, <i>Karlsruhe Institute of Technology, Forschungszentrum Karlsruhe GmbH</i>
3:40 PM	<b>Advent's high temperature PEMFC products</b> Dr. Vasilis Gregoriou, CEO, <i>Advent Technologies S.A.</i>
4:00 PM	<b>Moselle, a network of excellence</b> N.N., <i>Moselle Développement</i>
4:20 PM	<b>Seal's latest fuel cell components</b> N.N., <i>SEAL S.p.A.</i>
4:40 PM	<b>Can hydrogen and fuel cells prevent global warming?</b> Arno A. Evers, Founder of the Group Exhibit H2/FC, <i>Arno A. Evers FAIR-PR</i>

#### Friday, April 25

10:00 AM	<b>Industry proven method for the precise, thin film application of catalyst inks and other materials</b> Stuart Erickson, President, <i>Ultrasonic Systems, Inc.</i>
10:20 AM	<b>Fuel cell manufacturing cost trends: Balance of plant</b> Ski Milburn, President & CEO, <i>VAIREX Corporation</i>
10:40 AM	<b>Fuel cell simulations: Innovative insight at reduced cost</b> Dr. Mustafa Megahed, CFD Business Development Manager EMEA, <i>ESI Group</i>
11:00 AM	<b>Automated coating and jetting systems</b> Jim Klocke, Sr. Business Development Manager, <i>Asymtek, A Nordson Company</i>
11:20 AM	<b>Leading the commercialization of fuel cells</b> Taras Wankewycz, Co-founder & VP, <i>Horizon Fuel Cell Technologies Pte. Ltd.</i>
11:40 AM	<b>Scalability of Perma Pure humidifiers to meet various form factors</b> Matthew Powers, Humidifier Product Manager, <i>Perma Pure LLC</i>
12:00 PM	<b>CHP from bio and conventional fuels, development and demonstrations</b> Dr. Thomas Chalkidis, Chief Engineer, <i>HELBIO S.A.</i>
12:20 PM	<b>Eos liquid-air fuel cell technology</b> Don Montgomery, President & CEO, <i>Nanomaterials Discovery Corporation</i>
12:40 PM	<b>Dosing pumps, special pumps for CH4 and H2</b> Manfred Gut, Product Manager, <i>KNF Neuberger GmbH</i>
1:00 PM	<b>The Formula Zero Championship 2008-2009</b> Kim Taylor, Public Relations, <i>Formula Zero B.V.</i>
1:20 PM	<b>Waste to Hydrogen</b> Armin Kempf, Project Manager, <i>Euro-Innovation S.A.</i>
1:40 PM	<b>New generation of vehicle energie system, high dynamic DC POWER supply</b> Dipl.-Ing. Juergen Katzenmayer, Key Account Manager, <i>Kratzer Automation AG</i>
2:00 PM	<b>Power in power electronics</b> Michael Brakelmann, Sales Manager North Germany, <i>Zentro-Elektrik GmbH KG</i>
2:20 PM	<b>Development of a 15W rugged man portable fuel cell</b> Bill Macklin, Technical Director, <i>ABSL Power Solutions Ltd.</i>
2:40 PM	<b>tba</b> N.N., <i>H<sub>2</sub>ECOmy, CJSC</i>
3:00 PM	<b>Impressions of Hannover Group Exhibit H2/FC 2008</b> Dr. Jonathan Butler, Market Analyst, Europe, <i>Fuel Cell Today Ltd.</i>
3:20 PM	<b>Rückblick – Group Exhibit H2/FC, Hannover Messe 2008</b> Werner Stützel, Journalist, <i>VVEW Energieverlag GmbH</i>

# Exhibitor Listings

## ABSL Power Solutions Ltd.

Abingdon, Oxfordshire, United Kingdom  
www.abslpower.com



**Main Product/Service:** Batteries and chargers  
**Forum:** Friday, April 25, 2:20 pm

**G39/6**

## Advent Technologies S.A.

Patras, Greece  
www.adventech.gr



**Main Product/Service:**  
High-temperature membranes, MEAs  
**Forum:** Thursday, April 24, 3:40 pm

**E78/5**

## ALPHEA HYDROGENE

Forbach, France  
www.alpheacom



**Main Product/Service:**  
Strategic & technical intelligence, projects  
**Forum:** Thursday, April 24, 12:20 pm

**G42/2**

## Asociación Española del Hidrógeno

Madrid, Spain  
www.aeh2.org



**G42/9**

## Bac2 Ltd.

Southampton, United Kingdom  
www.bac2.co.uk



**Main Product/Service:** Bi-polar plates for PEM and DM, Electrophen™ conductive polymer

**F44/5**

## Ballard Power Systems Inc.

Burnaby, BC, Canada  
www.ballard.com



**Main Product/Service:** PEM hydrogen fuel cells  
**Forum:** Monday, April 21, 11:40 am

**E66/3**

stationary  
transportation  
portable/micro  
components  
hydrogen/fueling  
testing  
services  
education

## Acta S.p.A.

Crespina (PI), Italy  
www.acta-nanotech.com



**Main Product/Service:** Platinum free catalysts for FC & hydrogen generation applications  
**Forum:** Tuesday, April 22, 10:20 am

**F80/1**

## Airbus Deutschland GmbH

Hamburg, Germany  
www.airbus.com



**E64/1**

## Antig Technology Co., Ltd.

Taipei, Taiwan R.O.C.  
www.antig.com

**Main Product/Service:** H2Chip™ fuel cell stacks, portable system solutions  
**Forum:** Monday, April 21, 3:40 pm

**F54/3**

## Asymtek, A Nordson Company

Carslbad, CA, USA  
www.asymtek.com



**Main Product/Service:**  
Automated coating and jetting systems  
**Forum:** Friday, April 25, 11:00 am

**F44/2**

## Ballard Material Products Inc.

Lowell, MA, USA  
www.ballard.com



**Main Product/Service:** Gas diffusion layers  
**Forum:** Wednesday, April 23, 10:40 am

**F44/7**

## balticFuelCells GmbH

Schwerin, Germany  
www.balticfuelcells.de



**Main Product/Service:** quickCONNECT fixture  
**Forum:** Tuesday, April 22, 1:40 pm

**E54/3**

stationary  
transportation  
portable/micro  
components  
hydrogen/fueling  
testing  
services  
education

**BASF Fuel Cell GmbH**  
Frankfurt/Main, Germany  
www.basf.com/fuelcell

**Main Product/Service:**  
MEA, gas diffusion material, catalysts  
**Forum:** Tuesday, April 22, 3:20 pm

E54/2

**BAXI INNOTECH GmbH**  
Hamburg, Germany  
www.baxi-innotech.de

**Main Product/Service:**  
Stationary PEM fuel cell systems  
**Forum:** Tuesday, April 22, 11:40 am

E44/1, E64/1

**Bio-Logic SAS**  
Claix, France  
www.bio-logic.info

**Main Product/Service:** Fuel cell station, potentiostat, multipotentiostats

G41/1

**Brennstoffzellen Allianz Baden-Württemberg (BzA-BW)**  
Stuttgart, Germany  
www.bza-bw.de

**Main Product/Service:**

G60/2

**Brennstoffzellen Initiative Sachsen e.V.**  
Dresden, Germany

**Forum:** Tuesday, April 22, 4:00 pm

F50/1

**British Midlands Hydrogen Forum**  
Loughborough, United Kingdom  
www.lowcarbonfuelcellkn.org.uk

**Main Product/Service:** H2/FC association of industry and R&D organizations in the UK Midlands region

E44/5

**CEA - Nouvelles Technologies de l'Énergie**  
Grenoble, France  
www.cea.fr

**Main Product/Service:** Energy  
**Forum:** Tuesday, April 22, 10:40 am

E60/2

**Cell Impact AB**  
Karlskoga, Sweden  
www.cellimpact.com

**Main Product/Service:** Mass production of bipolar plates  
**Forum:** Wednesday, April 23, 11:00 am

F70/2

**Ceramic Fuel Cells Limited**  
Noble Park, VIC, Australia  
www.cfcl.com.au

**Main Product/Service:** SOFC systems  
**Forum:** Monday, April 21, 10:20 am

E78/4

**CeTech Co., Ltd.**  
Taichung County, Taiwan R.O.C.  
www.ce-tech.com.tw

**Main Product/Service:** Gas diffusion layer  
**Forum:** Tuesday, April 22, 1:00 pm

F50/2

**CFC Solutions GmbH**  
Ottobrunn, Germany  
www.cfc-solutions.com

**Main Product/Service:** Stationary fuel cells  
**Forum:** Monday, April 21, 10:40 am

F64/1

**City of Hamburg**  
Ministry for Urban Development and the Environment (BSU)  
Hamburg, Germany  
www.bsu.hamburg.de

**Main Product/Service:** Energy for tomorrow - today in Hamburg

E64/1

**Dana Holding Corporation**  
Toledo, OH, USA  
www.dana.com

**Main Product/Service:** FC stacks, balance-of-plant, fuel processor components  
**Forum:** Tuesday, April 22, 3:00 pm

F60/4

**DEK International GmbH Zürich/CH**  
Zurich, Switzerland  
www.dek.com

**Main Product/Service:** Screens printers, high precision screens  
**Forum:** Tuesday, April 22, 1:20 pm

G42/7

**Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)**  
Institut für Technische Thermodynamik  
Stuttgart, Germany  
www.dlr.de/tt

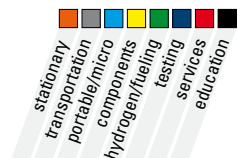
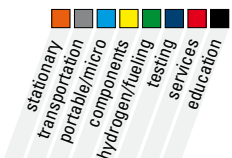
**Main Product/Service:** R&D, SOFC and PEFC, plasma spraying  
**Forum:** Tuesday, April 22, 2:20 pm

G60/2

**E.ON Hanse AG**  
Quickborn, Germany  
www.eon-hanse.com

**Main Product/Service:** Electricity, gas, heat and water

E64/1



<p><b>E.ON Ruhrgas AG</b> Essen, Germany www.eon-ruhrgas.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>E44/1</b></p>	<p><b>Ecofys International B.V.</b> Utrecht, The Netherlands www.ecofys.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Consultancy services <b>Forum:</b> Thursday, April 24, 1:20 pm</p> <p><b>F80/2</b></p>
<p><b>Electro Power Systems S.p.A.</b> Alpignano (TO), Italy www.electrops.it</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Pure H2 fuel cell systems for business continuity applications <b>Forum:</b> Wednesday, April 23, 4:00 pm</p> <p><b>E78/2</b></p>	<p><b>EnBW Energie Baden-Württemberg AG</b> Karlsruhe, Germany www.enbw.com/brennstoffzelle</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>E44/1</b></p>
<p><b>England's East Midlands</b> Nottingham, United Kingdom www.englishseastmidlands.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Regional development agency, inward investment function</p> <p><b>E44/5</b></p>	<p><b>Entwicklungs- und Vertriebsgesellschaft Brennstoffzelle mbH (EBZ)</b> Dresden, Germany www.ebz-dresden.de</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> SOFC test stations, demo-systems, system components</p> <p><b>F50/1</b></p>
<p><b>Environment Park S.p.A.</b> Torino, Italy www.envipark.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Hydrogen and renewable energies services <b>Forum:</b> Monday, April 21, 4:00 pm</p> <p><b>E60/1</b></p>	<p><b>ESI Group</b> Eschborn, Germany www.esi-group.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> CFD Simulation for fuel cells, software <b>Forum:</b> Friday, April 25, 10:40 am</p> <p><b>G43/3</b></p>
<p><b>Euro-Innovation SA</b> Wickrange, Luxembourg www.rollinger.lu</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Methods of producing hydrogen from waste <b>Forum:</b> Friday, April 25, 1:20 pm</p> <p><b>G42/2</b></p>	<p><b>European Fuel Cell Forum</b> Lucerne, Switzerland www.efcf.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Fuel cell conferences in Lucerne</p> <p><b>G39/5</b></p>
<p><b>European Hydrogen Association (EHA)</b> Brussels, Belgium www.h2euro.org</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Promotion of hydrogen as an energy vector <b>Forum:</b> Thursday, April 24, 10:20 am</p> <p><b>G42/9</b></p>	<p><b>EVT Gesellschaft für Energieverfahrenstechnik mbH</b> Herzogenrath, Germany www.evt-aachen.de</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Fuel cell systems <b>Forum:</b> Thursday, April 24, 12:40 pm</p> <p><b>F44/4</b></p>
<p><b>EWE AG</b> Oldenburg, Germany www.ewe.de</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Energy services, telecommunications, IT</p> <p><b>E44/1</b></p>	<p><b>Exergy Fuel Cells srl</b> Morphic Group Sasso Marconi (BO), Italy www.exergyfuelcells.com</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Fuel cell manufacturer, fuel cell systems <b>Forum:</b> Thursday, April 24, 3:00 pm</p> <p><b>G60/1</b></p>
<p><b>Fachhochschule Wiesbaden</b> Studienbereich Physikalische Technik Rüsselsheim, Germany www.fh-wiesbaden.de</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>E50/1</b></p>	<p><b>FLEXIVA automation &amp; Robotik GmbH</b> Amtsberg, Germany www.flexiva.de</p> <p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p><b>Main Product/Service:</b> Automation, robotics, FC-Systems, power-electronics, development</p> <p><b>F50/1</b></p>

stationary  
 transportation  
 portable/micro  
 components  
 hydrogen/fueling  
 testing  
 services  
 education

stationary  
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 testing  
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 education





**H.I.A.T. gGmbH**  
Hydrogen Institute of Applied Technologies  
Schwerin, Germany  
www.hiat.de

**Main Product/Service:** MEA/CCM development, electrocatalysts, DMFC membranes  
**Forum:** Tuesday, April 22, 1:40 pm

**E54/3**

**H<sub>2</sub> ECOmomy, CJSC**  
Yerevan, Armenia  
www.h2economy.com

**Main Product/Service:** Fuel cells, test systems  
**Forum:** Friday, April 25, 2:40 pm

**G39/7**

**H<sub>2</sub>BZ Wasserstoff- und Brennstoffzellen-Initiative Hessen e.V.**  
Wiesbaden, Germany  
www.brennstoffzellen-hessen.de

**Forum:** Wednesday, April 23, 3:40 pm

**E50/1**

**H2moves.eu**  
Ottobrunn, Germany  
www.H2moves.eu

**Main Product/Service:** H2-Demo projects

**E78/6**

**H<sub>2</sub>Yacht GmbH**  
Hamburg, Germany  
www.h2yacht.com

**Main Product/Service:** Fuel cell boats and yachts

**E64/1**

**HA Hessen Agentur GmbH**  
Projekt Brennstoffzelle  
Wiesbaden, Germany  
www.hessen-agentur.de

**Forum:** Monday, April 21, 11:00 am

**E50/1**

**Hamburg Innovation GmbH**  
University of Hamburg  
Hamburg, Germany  
www.hamburg-innovation.de

**Main Product/Service:** Fuel cell boats and yachts

**E64/1**

**HAMBURG WASSER**  
Hamburg, Germany  
www.hhse.de

**Main Product/Service:** Drinking water supply, waste water disposal

**E64/1**

**Hamburger Hochbahn AG**  
Hamburg, Germany  
www.hochbahn.de

**Main Product/Service:** Emission-free local traffic in Germany

**E64/1**

**HELBIO S.A.**  
Hydrogen and Energy Production Systems  
Rio, Greece  
www.helbio.com

**Main Product/Service:** Fuel processors, fuel cell power systems  
**Forum:** Friday, April 25, 12:00 pm

**E78/3**

**Heliocentris Energiesysteme GmbH**  
Berlin, Germany  
www.heliocentris.com

**Main Product/Service:** FC system integrator, FC educational systems  
**Forum:** Wednesday, April 23, 2:00 pm

**E40/1**

**Hermes Logistik GmbH & Co. KG**  
Hamburg, Germany  
www.hlg.de

**Main Product/Service:** Parcel shipping

**E64/1**

**Hexis AG**  
Winterthur, Switzerland  
www.hexis.com

**Main Product/Service:** Fuel Cell Heater

**E44/1**

**Horizon Fuel Cell Technologies Pte. Ltd.**  
Shanghai, P.R. China  
www.horizonfuelcell.com

**Main Product/Service:** Portable/remote power, aerospace propulsion power, educational kits/toys  
**Forum:** Friday, April 25, 11:20 am

**G43/2**

**h-tec Education, Wasserstoff-Energie-Systeme GmbH** Hydrogen Energy Systems  
Lübeck, Germany  
www.h-tec.com

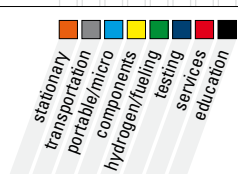
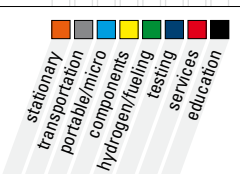
**Main Product/Service:** PEM electrolysers, PEM fuel cells  
**Forum:** Monday, April 21, 1:40 pm

**E66/1**

**Hüttenberger Produktionstechnik Martin GmbH**  
Langgöns, Germany  
www.huettenberger-produktionstechnik.de

**Main Product/Service:** Portable fuel cell 150W

**E50/1**



**hycity - Landesinitiative Brennstoffzellen- und Wasserstofftechnologie Hamburg**  
*Hamburg, Germany*  
www.hycity.hamburg.de  
**Main Product/Service:**  
Energy for tomorrow - today in Hamburg  
**Forum:** Monday, April 21, 12:00 pm, Wednesday, April 23, 3:00 pm, Thursday, April 24, 11:40 am

**HydroDivide AG**  
*Frankfurt/Main, Germany*  
www.hydrodivide.de  
**Main Product/Service:**  
Hydrogen generators, hydrogen storage

**Hydrogen & Fuel Cells Canada**  
*Vancouver, BC, Canada*  
www.h2fcc.ca  
**Main Product/Service:** Industry association

**Hydrogen Technologies AS**  
*Notodden, Norway*  
www.electrolysers.com  
**Main Product/Service:** H2 plants, electrolyzers, equipment for H2 fuelling stations  
**Forum:** Tuesday, April 22, 11:20 am

**Hydrogenics Corporation**  
*Mississauga, ON, Canada*  
www.hydrogenics.com  
**Main Product/Service:** Fuel cell and hydrogen generation equipment  
**Forum:** Wednesday, April 23, 1:00 pm

**HyGear B.V.**  
*Arnhem, The Netherlands*  
www.hygear.nl  
**Main Product/Service:**  
Hydrogen generation systems  
**Forum:** Thursday, April 24, 11:20 am

**hySOLUTIONS GmbH**  
*Hamburg, Germany*  
www.hysolutions-hamburg.de  
**Main Product/Service:** Project coordination, consulting, public relations

**ICI Caldaie S.p.A.**  
*Zevio (VR), Italy*  
www.icaldaie.com  
**Main Product/Service:**  
Stationary fuel cells, fuel processors

**IdaTech, LLC**  
*Bend, OR, USA*  
www.idatech.com  
**Main Product/Service:**  
Backup power fuel cell systems  
**Forum:** Wednesday, April 23, 2:40 pm

**IHT Industrie Haute Technologie SA**  
*Monthey, Switzerland*  
www.iht.ch  
**Main Product/Service:** Electrolyzers, full engineering services, control systems  
**Forum:** Tuesday, April 22, 4:40 pm

**IMM - Institut für Mikrotechnik Mainz GmbH**  
*Mainz, Germany*  
www.imm-mainz.de  
**Main Product/Service:** Fuel processors, reformers, heat exchangers, evaporators, catalyst coatings  
**Forum:** Tuesday, April 22, 12:40 pm

**Infraserv GmbH & Co. Höchst KG**  
*Frankfurt/Main, Germany*  
www.infraserv.com  
**Main Product/Service:**

**Initiative Brennstoffzelle (IBZ)**  
*Essen, Germany*  
www.initiative-brennstoffzelle.de  
**Main Product/Service:**  
Natural-gas-fueled stationary fuel cells  
**Forum:** Monday, April 21, 11:20 am

**International Science and Technology Center (ISTC)**  
*Moscow, Russian Federation*  
www.istc.ru  
**Main Product/Service:**  
Reformers of various types and purposes  
**Forum:** Monday, April 21, 3:20 pm

**IRD Fuel Cells A/S**  
*Svendborg, Denmark*  
www.ird.dk  
**Main Product/Service:**  
DMFC & PEMFC technology  
**Forum:** Monday, April 21, 1:00 pm


**Italian Hydrogen and Fuel Cell Association (H2IT)**  
*Milan, Italy*  
www.h2it.org  
**Main Product/Service:**

- stationary
- transportation
- portable/micro
- components
- hydrogen/fueling
- testing
- services
- education

- stationary
- transportation
- portable/micro
- components
- hydrogen/fueling
- testing
- services
- education


**IWAKI Europe GmbH**  
 Willich, Germany  
 www.iwaki.de

**Main Product/Service:** Centrifugal, gear, rotating plunger, bellow and dosing pumps  
**Forum:** Thursday, April 24, 2:40 pm

 **E80/1**

**Kalmar Industries OyAb**  
 Tampere, Finland  
 www.kalmarind.com

**Main Product/Service:** Future mobile part equipment, utilizing hybrid/FC technology

 **E40/2**


**Karlsruhe Institute of Technology**  
 Forschungszentrum Karlsruhe GmbH  
 Eggenstein-Leopoldshafen, Germany  
 www.fzk.de/iket

**Main Product/Service:** R&D Institution for energy technologies and environmental research  
**Forum:** Thursday, April 24, 3:20 pm

 **G70/1**

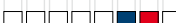
**KNF Neuberger GmbH**  
 Freiburg, Germany  
 www.knf.de

**Main Product/Service:** Diaphragm compressors, liquid pumps, metering pumps  
**Forum:** Friday, April 25, 12:40 pm

 **G41/3**


**Kratzer Automation AG**  
 Unterschleißheim, Germany  
 www.kratzer-automation.com

**Main Product/Service:** Test systems, battery simulation  
**Forum:** Friday, April 25, 1:40 pm

 **F80/3**


**Linde AG / Linde Gas**  
 Hamburg, Germany  
 www.linde-gas.de

**Main Product/Service:**

 **E64/1**


**MAGNUM Automatisierungstechnik GmbH**  
 Darmstadt, Germany  
 www.magnum.de

**Main Product/Service:** Test stands for fuel cells

 **E50/1**


**Moselle Développement**  
 Metz, France  
 www.moselle-developpement.com

**Main Product/Service:** Business development, institution, on-site consulting  
**Forum:** Thursday, April 24, 4:00 pm

 **G42/3**


**N<sub>2</sub>telligence GmbH**  
 Hamburg, Germany  
 www.n2telligence.com

**Main Product/Service:** Fuel cell system technology for fire prevention

 **E64/1**


**Nanomaterials Discovery Corporation**  
 Cheyenne, WY, USA  
 www.nanomaterialsdiscovery.com

**Main Product/Service:** PEM H2 Stacks, liquid fuel cells, catalysts  
**Forum:** Friday, April 25, 12:20 pm

 **G41/6**


**National Innovation Company**  
 "New Energy Projects" Ltd.  
 Moscow, Russian Federation  
 www.nic-nep.ru

**Main Product/Service:** Stationary FC power plants, portable power units, electrolysers  
**Forum:** Monday, April 21, 3:00 pm

 **E60/3**


**National Research Council**  
 Institute for Fuel Cell Innovation  
 Vancouver, BC, Canada  
 www.nrc-cnrc.gc.ca

**Main Product/Service:** Technology and knowledge, research

 **G70/2**


**NedStack fuel cell technology B.V.**  
 Arnhem, The Netherlands  
 www.nedstack.com

**Main Product/Service:** PEM fuel cell stacks and PEM fuel cell sub-systems  
**Forum:** Tuesday, April 22, 12:20 pm

 **F66/2**


**N-GHY fuel processors for fuel cells, S.A.**  
 Albi, France  
 www.n-ghy.com

**Main Product/Service:** Fuel processors, hydrogen generators  
**Forum:** Thursday, April 24, 12:00 pm

 **G43/7**


**Nordic Power Systems AS**  
 Snaroya, Norway  
 www.nordicpowersystems.com

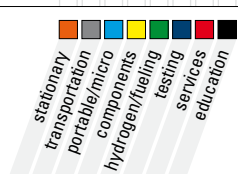
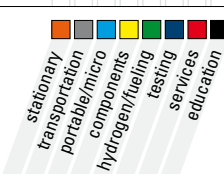
**Main Product/Service:** Diesel fuel cell power generators  
**Forum:** Monday, April 21, 12:20 pm

 **F54/1**

**Oel-Wärme Institut gGmbH (OWI)**  
 Herzogenrath, Germany  
 www.owi-aachen.de

**Main Product/Service:**

 **F44/4**





**Oy Hydrocell Ltd**  
 Järvenpää, Finland  
 www.hydrocell.fi

**Main Product/Service:**  
 Fuel cells and FC materials, heat exchangers

E40/2

**PaxiTech SAS**  
 Echirolles, France  
 www.paxitech.com

**Main Product/Service:** Portable fuel cells, MEAs

G41/1

**Perma Pure LLC**  
 Toms River, NJ, USA  
 www.permapure.com

**Main Product/Service:**  
 Nafion membrane humidifiers

**Forum:** Friday, April 25, 11:40 am

G43/4

**PLANSEE SE**  
 Reutte, Austria  
 www.plansee.com

**Main Product/Service:** Metallic SOFC  
 Interconnectors, metal supported SOFC-cells

**Forum:** Wednesday, April 23, 1:40 pm

G42/8

**Plug Power Inc.**  
 Latham, NY, USA  
 www.plugpower.com

**Main Product/Service:**  
 High-temperature fuel cell unit

**Forum:** Tuesday, April 22, 2:00 pm

E54/1

**Pragma Industries**  
 Fuel cells and test equipment  
 Bidart, France  
 www.pragma-industries.com

**Main Product/Service:** Test stations and fuel cells

G80/1

**ProfilSchleif-, Fertigungs- & Umwelt-Technik GmbH (PSFU)**  
 Wernigerode, Germany  
 www.psfu.de

**Main Product/Service:** Bipolar plates, surface  
 technology, machining, profile grinding

F44/4

**PROTON MOTOR Fuel Cell GmbH**  
 Puchheim, Germany  
 www.proton-motor.de

**Main Product/Service:**  
 Fuel cell systems, hybrid systems

**Forum:** Monday, April 21, 10:00 am  
 Tuesday, April 22, 2:40 pm

G68/2

**Purification Equipment Research Institute of CSIC, China (PERIC)**  
 Handan City, P.R. China  
 www.peric718.com

**Main Product/Service:**  
 Pressurized H2 generation plant

F50/3

**QuinTech e.K.**  
 Göppingen, Germany  
 www.quintech.de, www.fuelcell-testsystems.com

**Main Product/Service:**  
 Fuel cells, components, test systems

**Forum:** Thursday, April 24, 10:40 am

G68/3

**RBZ Riesaer Brennstoffzellentechnik GmbH**  
 Riesa, Germany  
 www.pem-brennstoffzelle-sachsen.de

**Main Product/Service:**  
 Stationary PEMFC system for CHP

F50/1

**Rittal GmbH & Co. KG**  
 Herborn, Germany  
 www.rittal.de

**Main Product/Service:** 5kW and 300W Outdoor  
 FC-systems, cabinet for H2 storage

**Forum:** Monday, April 21, 12:40 pm

E64/3

**S++ Simulation Services Ralf Kraume**  
 Egling/Thanning, Germany  
 www.splusplus.com

**Main Product/Service:** Current density distribution  
 measurement in FCs, mathematical modelling

F44/1

**Sächsische Energieagentur GmbH**  
 Dresden, Germany  
 www.saena.de

**Main Product/Service:** Your Saxon competence  
 centre in the field of ENERGY

F50/1

**Saia-Burgess Dreieich GmbH & Co. KG**  
 Dreieich, Germany  
 www.start-controls.com

**Main Product/Service:** PLC-based controller, HMI

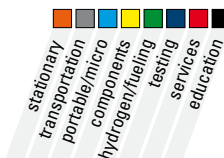
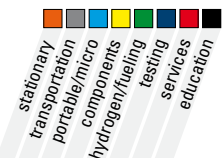
**Forum:** Wednesday, April 23, 12:00 pm

F64/2

**Schunk Bahn- und Industrietechnik GmbH**  
 Wettenberg, Germany  
 www.schunk-sbiw.com

**Main Product/Service:** Bi-polar plates, components,  
 micro/mobile/stationary fuel cells, DMFC, PEMFC

E50/1



**Schutzgemeinschaft Deutscher Wald**  
Landesverband Hamburg e.V.  
Hamburg, Germany  
www.sdw-hamburg.de

**Main Product/Service:** Environmental education, nature conservation, Agenda 21

**E64/1**

**SEAL S.p.A.**  
Legnano (MI), Italy  
www.seal.it

**Main Product/Service:** Coating, portable fuel cells DMFC, PEMFC, fuel cell materials

**Forum:** Thursday, April 24, 4:20 pm

**G43/5**

**SGL TECHNOLOGIES GmbH**  
Meitingen, Germany  
www.sglcarbon.de

**Main Product/Service:** Components, gas diffusion layers

**F54/2**

**Shanghai Pearl Hydrogen Power Source Technology Co., Ltd.**  
Shanghai, P.R. China  
www.pearlhydrogen.com

**Main Product/Service:** Fuel cells, MEA

**Forum:** Thursday, April 24, 10:00 am

**G39/9**

**SMA Technologie AG**  
Niestetal, Germany  
www.sma.de

**Main Product/Service:** SUNNY BACKUP-System, and Extension, Hydro Boy fuel cell inverter

**E50/1**

**SMART Electronic Development GmbH**  
Stuttgart, Germany  
www.smart-gmbh.de

**Main Product/Service:** Test instruments for fuel cells and batteries

**G43/1**

**Sono-Tek Corporation**  
Milton, NY, USA  
www.sono-tek.com

**Main Product/Service:** Ultrasonic coating equipment for fuel cells

**G41/2**

**StatoilHydro Hydrogen**  
Oslo, Norway  
www.statoilhydro.com

**Forum:** Wednesday, April 23, 11:20 am

**F60/2**

**Staxera GmbH**  
Dresden, Germany  
www.staxera.de

**Main Product/Service:** SOFC stack modules

**Forum:** Tuesday, April 22, 12:00 pm

**F50/1**

**STILL GmbH**  
Hamburg, Germany  
www.still.de

**Forum:** Tuesday, April 22, 12:00 pm

**E64/1**

**Tanaka Kikinzoku Kogyo K.K.**  
Tokyo, Japan  
www.tanaka-precious.com

**Main Product/Service:** Electro-, combustion and PROX catalysts, Pd membranes

**Forum:** Tuesday, April 22, 10:00 am

**E80/3**

**Tekes - the Finnish Agency for Technology and Innovation**  
Helsinki, Finland  
www.tekes.fi

**Main Product/Service:** Fuel cell development activities and industry in Finland

**Forum:** Monday, April 21, 4:20 pm

**E40/2**

**The Foundation for Hydrogen in Aragon**  
Huesca, Spain  
www.hidrogenoaragon.org

**Main Product/Service:** R&D, engineering, consultancy, training, technology distributor

**Forum:** Monday, April 21, 4:40 pm

**E60/4**

**Topsoe Fuel Cell A/S**  
Lyngby, Denmark  
www.topsoefuelcell.com

**Main Product/Service:** Fuel cells

**E44/2**

**TROPICAL S.A.**  
Athens, Greece  
www.tropical.gr

**Main Product/Service:** Fuel cell systems (hydrogen + reformate), greencars/scooters

**Forum:** Thursday, April 24, 2:20 pm

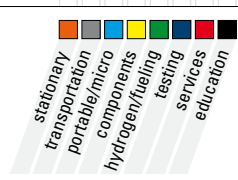
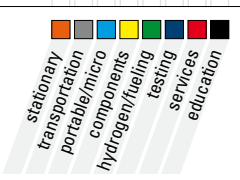
**E66/2**

**Ultrasonic Systems, Inc.**  
Haverhill, MA, USA  
www.ultraspray.com

**Main Product/Service:** Prism Coating System

**Forum:** Friday, April 25, 10:00 am

**F44/6**



**Umwelt-Campus Birkenfeld**  
 Fuel Cell Centre  
 Birkenfeld, Germany  
 www.umwelt-campus.de

**Main Product/Service:** R&D PEM fuel cell components and systems

Forum:           **E50/1**

**University of South Carolina**  
 Center for Fuel Cells  
 Columbia, SC, USA  
 www.fuelcells.sc.edu

**Main Product/Service:** Research and commercialization of fuel cells

Forum: Wednesday, April 23, 1:20 pm

**F60/1**

**Vaillant Deutschland GmbH & Co. KG**  
 Remscheid, Germany  
 www.vaillant.de

Forum: Monday, April 21, 2:40 pm

**E44/1**

**VAIREX Corporation**  
 Boulder, CO, USA  
 www.vairex.com

**Main Product/Service:** High efficiency air supply systems

Forum: Friday, April 25, 10:20 am

**G41/5**

**Vattenfall Europe Hamburg AG**  
 Hamburg, Germany  
 www.vattenfall.de

**Main Product/Service:** Energy company

Forum:            **E64/1**

**VDE Testing and Certification Institute e.V.**  
 Offenbach, Germany  
 www.vde.com

Forum: Wednesday, April 23, 4:40 pm

**F60/1**

**Viessmann Werke GmbH & Co. KG**  
 Allendorf/Eder, Germany  
 www.viessmann.com

**Main Product/Service:** Heating and air conditioning appliances

Forum:            **E44/1**

**VNG - Verbundnetz Gas Aktiengesellschaft**  
 Leipzig, Germany  
 www.vng.de

Forum:            **E44/1**

**VTT Technical Research Centre of Finland**  
 Espoo, Finland  
 www.vtt.fi

**Main Product/Service:** SOFC & PEFC: system modelling, simulation, testing, development

Forum: Monday, April 21, 4:20 pm

**E40/2**

**VWEW Energieverlag GmbH**  
 Frankfurt/Main, Germany  
 www.vvew.de, www.energie.de

**Main Product/Service:** Trade publications

Forum: Friday, April 25, 3:20 pm

**E50/1**

**Wärtsilä Finland Oy**  
 Helsinki, Finland  
 www.wartsila.com

**Main Product/Service:** 20 kW Solid Oxide Fuel Cell

Forum: Monday, April 21, 4:20 pm

**E40/2**

**Wilhelm Karmann GmbH**  
 Osnabrück, Germany  
 www.karmann.com

**Main Product/Service:** Full service provider to the automotive industry

Forum: Monday, April 21, 10:00 am

**G68/2**

**WS Reformer GmbH**  
 Renningen, Germany  
 www.wsreformer.com

**Main Product/Service:** Reformers for fuel cells, hydrogen generators

Forum: Wednesday, April 23, 4:20 pm

**G68/3**

**Zentro-Elektrik GmbH KG**  
 Pforzheim, Germany  
 www.zentro-elektrik.de

**Main Product/Service:** Manufacture of electrically-controlled power supplies

Forum: Friday, April 25, 2:00 pm

**G41/4**

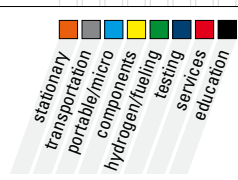
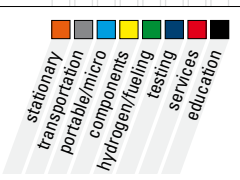
**Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)**  
 Ulm, Germany  
 www.zsw-bw.de

**Main Product/Service:** Batteries, fuel cells, biomass gasification, modelling, testing

Forum: Tuesday, April 22, 3:40 pm

**E64/2**

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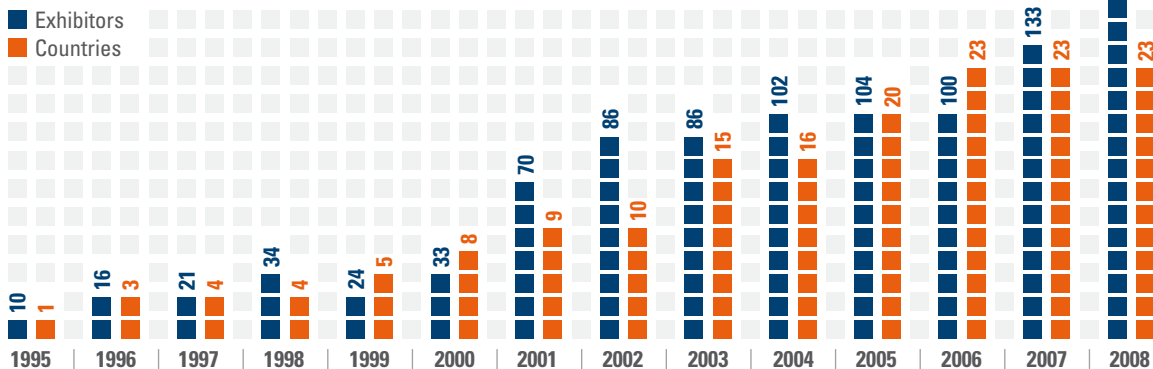
# Outlook for 2009

## 15th Group Exhibit Hydrogen + Fuel Cells at HANNOVER MESSE 2009, April 20-24

Europe's largest and most important H2/FC exhibition



### Development 1995 – 2008



#### ■ 200 Exhibitors Expected!

In 2009, around 200 exhibitors from 25 countries will be showcasing the full spectrum of H2/FC-related technology: hydrogen production, fuel cell components, stationary, portable & mobile fuel cells, fuel cell applications, test systems, hydrogen transport, storage & infrastructure, reformers and beyond.

#### ■ 14 Interconnected Trade Fairs!

As part of the impressive Energy sector, H2/FC exhibitors benefit from the 14 interconnected trade fairs at HANNOVER MESSE 2009 including such topics as Factory Automation, Subcontracting, Energy, Power Plant Technology, Wind, MicroTechnology and Research & Technology.

#### ■ Network more effectively!

Profit from the unique atmosphere of the Group Exhibit H2/FC with its networking evenings, forum interviews and established community. Lounge areas, meeting rooms and daily luncheons help exhibitors connect with customers more easily. Our complete online promotion of each exhibitor attracts as many visitors as possible to your booth.

#### ■ Your Essential Business Connection!

Founded by Arno A. Evers in 1995, this 15-year-old business platform is the primary location for finding top manufacturers, distributors, consultants, developers and suppliers. The worldwide leaders in the fields of materials, components, infrastructure, testing and research come to Hannover to show their products and solutions. High-ranking politicians, decision-makers as well as international media also frequent this reputed expo every year.

#### ■ Simplified Exhibiting!

Tobias Renz FAIR-PR, the organizing team behind the Group Exhibit H2/FC, will personally see to every detail before, during and after the fair. Exhibiting is made easy with our complete booth building (walls, furniture, carpeting, electricity, signage, WiFi, cleaning, etc.) and our many helpful services.

#### ■ For more information about the Group Exhibit H2/FC please contact Tobias Renz FAIR-PR:

#### Organizer:



Deutsche Messe AG  
Hannover · Germany

Deutsche Messe AG  
Messegeleände  
D-30521 Hannover  
Germany

Hubertus von Monschaw  
Tel: +49 (0)511 89 313 03  
Fax: +49 (0)511 89 311 48  
Email:  
Hubertus.vonMonschaw@messe.de  
Web: www.hannovermesse.de

#### Coordinator:

FAIR-PR  
com

Tobias Renz FAIR-PR  
Thalkirchnerstr. 81  
Kontorhaus 2, No. 330  
D-81371 Munich  
Germany

Megan E. McCool  
Tel: +49 (0)89 72 01 38 40  
Fax: +49 (0)89 72 01 38 420  
Email: megan@fair-pr.com  
Web: www.fair-pr.com