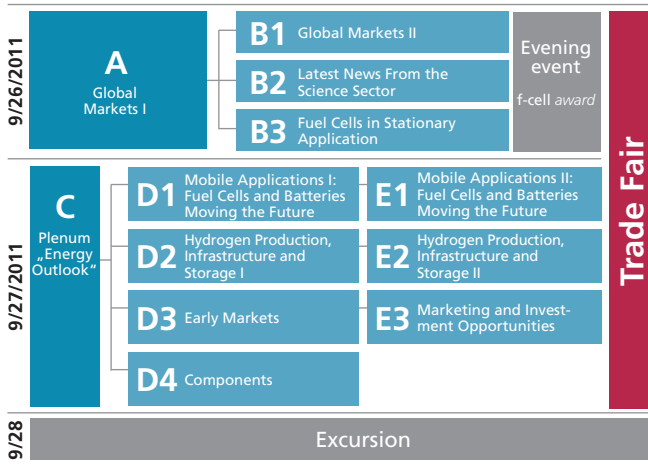
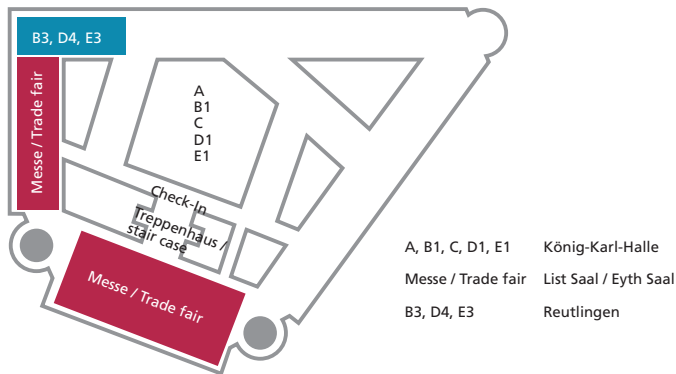


Program

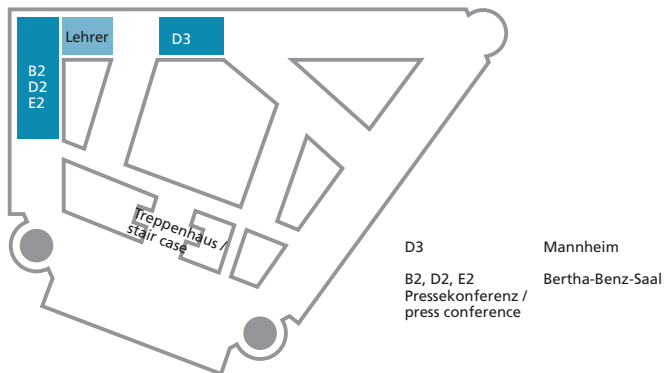


Floor plan

2nd floor



1st floor



The fuel cell | 11th Forum for Producers and Users



Daimler AG

Sept. 26–27, 11
 Stuttgart
 Germany
 Haus der
 Wirtschaft

Symposium schedule

www.f-cell.de

Day 1, September 26

Forum A Global Markets I	
Room: "König-Karl-Halle", 2nd floor	
Chairwoman: Ursula Hoffmann, Sky Sport News HD, Munich, Germany	
9:30 a.m.	Welcome Speech Dr. Walter Rogg, Stuttgart Region Economic Development Corporation, Stuttgart, Germany
9:40 a.m.	f-cell World Drive (Around the World in 125 days): An Additional Motivation for Introducing Series Production of Fuel Cell Vehicles Prof. Dr. Herbert Kohler, Daimler AG, Stuttgart, Germany
10:00 a.m.	Technological Impulses for Environment-, Climate- and Energy Politics Minister Franz Untersteller MdL, Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg, Stuttgart
10:20 a.m.	Germany's Growing Role as a Major Supplier and Market for Fuel Cells and Electric Mobility Dr. Veit Steinle, Federal Ministry of Transport, Building and Urban Development, Berlin, Germany
10:45 a.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
11:15 a.m.	U.S. Fuel Cell and Hydrogen Activities Robert Rose, Fuel Cell and Hydrogen Energy Association, USA
11:40 a.m.	Fuel Cells Today and Tomorrow Prof. Masahiro Watanabe, University of Yamanashi, Japan
12:05 a.m.	Hydrogen and Fuel Cell Activities and Electric Mobility in China Prof. Su Zhou, Tongji University, Shanghai, China
12:30 a.m.	Panel Discussion
1:00 p.m.	Lunch Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)

Forum B1 Global Markets II	
Room: "König-Karl-Halle", 2nd floor	
Chairman: Dr. Andreas Ziolek, Fuel Cell and Hydrogen Network NRW, Düsseldorf, Germany	
2:30 p.m.	Building a Hydrogen Refueling Network in Scandinavia by 2015 Mikael Sloth, H2Logic A/S, Herning, Denmark
2:50 p.m.	From Know-How to Show-How: Finnish Fuel Cell Activities Anneli Ojapalo, Spinverse Ltd., Tekes Fuel Cell Programme, Espoo, Finland
3:10 p.m.	Hydrogen South Africa (HySA): A National Flagship Programme to Create Jobs, Wealth and Inclusion through the Beneficiation of South Africa's Mineral Wealth Dr. Cordellia Sita, Hydrogen South Africa, Capetown, South Africa
3:30 p.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
4:00 p.m.	Canadian Hydrogen and Fuel Cell Sector: Updates and Progress Eric Denhoff, Canadian Hydrogen and Fuel Cell Association, Vancouver, Canada
4:20 p.m.	Hydrogen and Fuel Cell Activities in Hawaii Dr. Richard Rocheleau, Hawaii Natural Energy Institute, Honolulu, USA
4:40 p.m.	HyFacts – Preparation of a Modular Training Program for Officials and Operators of Hydrogen Installations in Public Locations Christian Machens, TÜV SÜD Akademie GmbH, Munich, Germany
5:00 p.m.	Meet the Speakers
5:30 p.m.	End
7:00 p.m.	Evening Event, f-cell award ceremony, „Wagenhallen“ (Registration required, Entrance 6:30 p.m.)

Day 1, September 26

Forum B2 Latest News From the Science Sector	
Room: "Bertha-Benz-Saal", 1st floor	
Chairwoman: Prof. Dr. Angelika Heinzl, ZBT Fuel Cell Research Center, Duisburg, Germany	
2:30 p.m.	The Influence of Traffic-related NO Peaks and NO₂ Concentrations Ulrich Misz, ZBT Fuel Cell Research Center, Duisburg, Germany
2:50 p.m.	Computational Design of Optimised Proton Exchange Membranes Prof. Dr. Thomas Heine, Jacobs University Bremen gGmbH, Germany
3:10 p.m.	Potential of a Metal Hydride based Hydrogen Storage System Dr. Jens Franzen, Daimler AG, Stuttgart, Germany
3:30 p.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
4:00 p.m.	Advanced Multi-Chanel Impedance Spectroscopy Measurements for the Optimization of PEM Fuel Cells Dr. Christopher Hebling, ISE Fraunhofer-Institute for Solar Energy Systems, Freiburg, Germany
4:20 p.m.	Development of Robust DMFC-Systems in the kW Range for Electric Pallet Trucks Dr. Martin Müller, Forschungszentrum Jülich GmbH, Germany
4:40 p.m.	Role of Computational Modelling in Fuel Cell Design and Optimization Prof. Ned Djilali, University of Victoria, Canada
5:00 p.m.	Meet the Speakers
5:30 p.m.	End
7:00 p.m.	Evening Event, f-cell award ceremony, „Wagenhallen“ (Registration required, Entrance 6:30 p.m.)

Forum B3 Fuel Cells in Stationary Application	
Room: "Reutlingen", 2nd floor	
Chairman: Dr. Wolfram Münch, EnBW AG, Karlsruhe, Germany	
2:30 p.m.	Fuel Cells in Household Energy Supply Markus Edel, EnBW Vertriebs GmbH, Karlsruhe, Germany
2:50 p.m.	Highly Efficient Electricity Production in the Family Home using BlueGen Dr. Karl Föger, Ceramic Fuel Cells GmbH, Heinsberg, Germany
3:10 p.m.	The Vaillant Fuel Cell Heating Appliance: Status of Development and Tests Alexander Dauensteiner, Vaillant Deutschland GmbH & Co. KG, Remscheid, Germany
3:30 p.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
4:00 p.m.	Stationary Fuel Cells for Commercial and Industrial Energy Savings Katrina Fritz Intwala, UTC Power, South Windsor, USA
4:20 p.m.	NEDO SOFC Demonstration Program and Osaka Gas SOFC Development Shin Iwata, Osaka Gas Co., Ltd., Japan
4:40 p.m.	Advances on the Way to a Stationary Hybrid Power Plant Prof. Dr. Kaspar Andreas Friedrich, DLR German Aerospace Center, Stuttgart, Germany
5:00 p.m.	Meet the Speakers
5:30 p.m.	End
7:00 p.m.	Evening Event, f-cell award ceremony, „Wagenhallen“ (Registration required, Entrance 6:30 p.m.)

Day 2, September 27

Forum C Plenum: Energy Outlook	
Room: "König-Karl-Halle", 2nd floor	
9:00 a.m.	The Role of Hydrogen for the Future Energy Supply Dr. Klaus Bonhoff, NOW National Organization Hydrogen and Fuel Cell Technology GmbH, Berlin, Germany
9:30 a.m.	Strategies towards Zero Emission Traffic Dr. Alan Lloyd, International Council on Clean Transportation, USA

Forum D1 Mobile Applications I	
Room: "König-Karl-Halle", 2nd floor	
Chairman: Dr. Jörg Wind, Daimler AG, Stuttgart, Germany	
10:00 a.m.	Development of Electric Vehicles: Fuel Cells and Batteries Dr. Jörg Wind, Daimler AG, Stuttgart, Germany
10:20 a.m.	BMW EfficientDynamics Hydrogen – Prospects and Challenges Tobias Brunner, BMW Group, Munich, Germany
10:40 a.m.	Hybrid Fuel Cell Systems – Concepts for Aircraft and Transportation Applications Dr. Josef Kallo, DLR German Aerospace Center, Stuttgart, Germany
11:00 a.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
11:30 a.m.	Advancements in Fuel Cell System Development – the Next Step towards Commercialization Dr. Bernd Müller, Adam Opel AG, Rüsselsheim, Germany
11:50 a.m.	Daihatsu Platinum-free Liquid-feed Anionic Fuel Cell Vehicle towards Commercialization Dr. Hirohisa Tanaka, Daihatsu Motor Co., Ltd., Shiga, Japan
12:10 a.m.	Topics of Technology Developments for Fuel Cell Hybrid Vehicle Koichi Kojima, Toyota Motor Corporation, Aichi, Japan
12:30 a.m.	Meet the Speakers
1:00 p.m.	Lunch Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)

Forum E1 Mobile Applications II	
Room: "König-Karl-Halle", 2nd floor	
Chairwoman: Sabine Sadjak, Fuel Cell and Battery Alliance Baden-Wuerttemberg (BBA-BW), Stuttgart, Germany	
2:30 p.m.	Fuel Cell Electric Vehicles – Outlook on Market Potential and Industry Challenges Dr. Martin Linder, McKinsey&Company, Munich, Germany
2:50 p.m.	CHIC – Clean Hydrogen in European Cities Aleksandar Lozanovski, University of Stuttgart, Germany
3:10 p.m.	H2 Bus NRW – Successful Hybridisation of a 18m Fuel Cell Bus Dieter Kaup, Vossloh Kiepe GmbH, Düsseldorf, Germany
3:30 p.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
4:00 p.m.	Series Production of Fuel Cells – Product and Process Development go Hand in Hand Dr. Dieter Steegmüller, Daimler AG, Stuttgart, Germany
4:20 p.m.	Activities of CHAdEMO Association for Deployment of Fast Charging Infrastructure in Public Space Takafumi Anegawa, Tokyo Electric Power Company, Japan
4:40 p.m.	Strategic Approach to the Emerging Market of Fuel Cell Vehicles Dr. Gunter Wiedemann, Robert Bosch GmbH, Stuttgart, Germany
5:00 p.m.	Meet the Speakers

Forum C Plenum: Energy Outlook	
Room: "König-Karl-Halle", 2nd floor	
9:00 a.m.	The Role of Hydrogen for the Future Energy Supply Dr. Klaus Bonhoff, NOW National Organization Hydrogen and Fuel Cell Technology GmbH, Berlin, Germany
9:30 a.m.	Strategies towards Zero Emission Traffic Dr. Alan Lloyd, International Council on Clean Transportation, USA

Forum D2 Hydrogen Production, Infrastructure and Storage I	
Room: "Bertha-Benz-Saal", 1st floor	
Chairman: Prof. Dr. Bernd Höhlein, Fuel Cell and Hydrogen Network NRW, Düsseldorf, Germany	
10:00 a.m.	Horizon Fuel Cell: Developing Fuel Storage/Supply Options for Fuel Cell Commercialization Taras Wanekwycz, Horizon Fuel Cell Technologies Co., Ltd., Singapore
10:20 a.m.	Siemens Electrolyzer Technology for Large-Scale Production of Hydrogen Dr. Manfred Waidhas, Siemens AG, Erlangen, Germany
10:40 a.m.	PEM Electrolyzer for Decentral Hydrogen Generation Uwe Küter, h-tec Wasserstoff-Energie-Systeme GmbH, Lübeck, Germany
11:00 a.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
11:30 a.m.	Costs of Potential Hydrogen Use for E-mobility with Fuel Cells Thomas Grube, Forschungszentrum Jülich GmbH; Prof. Dr. Bernd Höhlein, Fuel Cell and Hydrogen Network NRW, Düsseldorf, Germany
11:50 a.m.	MeRegio Mobil, CROME & H2 Mobility – EnBW Electromobility projects in Baden-Wuerttemberg Lars Walch, EnBW AG, Karlsruhe, Germany
12:10 a.m.	H2 Mobility – Analysis of Roll-out Scenarios for a Hydrogen Refueling Infrastructure in Germany Thorsten Herbert, NOW GmbH, Berlin, Germany
12:30 a.m.	Meet the Speakers
1:00 p.m.	Lunch Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)

Forum E2 Hydrogen Production, Infrastructure and Storage II	
Room: "Bertha-Benz-Saal", 1st floor	
Chairman: Dr. Johannes Töpler, DWV e.V., Berlin, Germany	
2:30 p.m.	Hydrogen – Grid- and Storage Solution for Renewable Energy? Werner Diwald, ENERTRAG Aktiengesellschaft, Dauerthal, Germany
2:50 p.m.	Electric Vehicles as a Storage Capacity in the Smart Grid Dr. Alexander Dyck, Next Energy EWE e.V., Oldenbourg, Germany
3:10 p.m.	The Fuelling Station of the Future Wilfried Reese, Linde AG, Pullach, Austria
3:30 p.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
4:00 p.m.	In-situ Hydrogen Generation for Fueling Stations – Newest Results Dr. Bernd Pitschak, Hydrogenics GmbH, Gladbeck, Germany
4:20 p.m.	Fast and Compact Hydrogen Storage in Hydride-Graphite Composite Materials Dr. Lars Röntzsch, Fraunhofer Institute for Manufacturing Technology and Advanced Materials (IFAM), Dresden, Germany
4:40 p.m.	The DWV Hydrogen Safety Compendium Reinhold Wurster, LBST Ludwig-Bölkow-Systemtechnik GmbH, Ottobrunn, Germany
5:00 p.m.	Meet the Speakers

Forum C Plenum: Energy Outlook	
Room: "König-Karl-Halle", 2nd floor	
9:00 a.m.	The Role of Hydrogen for the Future Energy Supply Dr. Klaus Bonhoff, NOW National Organization Hydrogen and Fuel Cell Technology GmbH, Berlin, Germany
9:30 a.m.	Strategies towards Zero Emission Traffic Dr. Alan Lloyd, International Council on Clean Transportation, USA

Forum D3 Early Markets	
Room: "Mannheim", 1st floor	
Chairman: Dr. Christopher Hebling, ISE Fraunhofer-Institute for Solar Energy Systems, Freiburg, Germany	
10:00 a.m.	Early Markets within the NIP: Market Dynamics of Fuel Cells for Back-Up Power Supply Wolfgang Axthammer, NOW National Organisation Hydrogen and Fuel Cell Technology GmbH, Berlin, Germany
10:20 a.m.	NextHyLights: Fuel Cells for Off-Road Applications – Selected Results Dr. Peter Prenninger, AVL List GmbH, Graz, Austria
10:40 a.m.	Alternative Powered Vehicles at Hamburg Airport – an Experience Report Wolfgang Schümann, Airport Hamburg, Germany
11:00 a.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
11:30 a.m.	Fuel Cell System for Recreational Vehicles Andreas Schiegl, Truma Gerätetechnik GmbH & Co. KG, Putzbrunn, Germany
11:50 a.m.	LPG Fueled Gasbattery with High Power-Density Dr. Sascha Kühn, eZelleron GmbH, Dresden, Germany
12:10 a.m.	QuattroGeneration – Fire Prevention with Fuel Cell Lars Frahm, N2telligence GmbH, Hamburg, Germany
12:30 a.m.	Meet the Speakers
1:00 p.m.	Lunch Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)

Forum E3 Marketing and Investment Opportunities	
Room: "Reutlingen", 2nd floor	
Chairwoman: Sybille Riepe, MOTUM GmbH, Hamburg, Germany	
2:30 p.m.	Successful Commercialization of Fuel Cells – Examples from the U.S. Market Robert Rose, Fuel Cell and Hydrogen Energy Association, USA
2:50 p.m.	Highlights for Innovative Companies in Japan: Fuel Cells and Batteries Takehiko Kato, Interlink Corp., Tokyo, Japan
3:10 p.m.	Financing of Start-Up and Young Companies in the Field of New Technologies Bernd Schmidt, new structured finance, Hamburg, Germany
3:30 p.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
4:00 p.m.	Let's go Green with Hydrogen! Results from the Citizens' Conference on Hydrogen Mobility Dr. René Zimmer, UfU Institute, Berlin, Germany
4:20 p.m.	CLEAN ENERGY PARTNERSHIP (CEP) – Provide Confidence – Communications Strategy for Future Technologies Claudia Fried, Clean Energy Partnership, Berlin, Germany
4:40 p.m.	VLOTTE – The First Model Region in Austria for E-Mobility Christian Eugster, Vorarlberger Elektroautomobil Planungs- und Beratungs GmbH, Austria
5:00 p.m.	Meet the Speakers

Forum C Plenum: Energy Outlook	
Room: "König-Karl-Halle", 2nd floor	
9:00 a.m.	The Role of Hydrogen for the Future Energy Supply Dr. Klaus Bonhoff, NOW National Organization Hydrogen and Fuel Cell Technology GmbH, Berlin, Germany
9:30 a.m.	Strategies towards Zero Emission Traffic Dr. Alan Lloyd, International Council on Clean Transportation, USA

Forum D4 Components	
Room: "Reutlingen", 2nd floor	
Chairman: Dr. Ludwig Jörissen, ZSW Center for Solar Energy and Hydrogen Research, Ulm, Germany	
10:00 a.m.	Selected Results of the German Federal Ministry of Economics Project Consortium: Development of cost-efficient, relevant Components for Fuel Cell Systems Dr. Ludwig Jörissen, ZSW Center for Solar Energy and Hydrogen Research, Ulm, Germany
10:20 a.m.	Tokuyama Anion Exchange Membranes Kenji Fukuta, Tokuyama Corporation, Japan
10:40 a.m.	The Effectiveness of Pt/C Electrocatalysts: Dependence on Catalyst Layer Thickness and Pt Alloy Catalytic Effects Prof. Makoto Uchida, University of Yamanashi, Japan
11:00 a.m.	Coffee Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)
11:30 a.m.	New Celtec P MEA for Commercial High Temperature PEM Fuel Cell Systems Dr. Carsten Henschel, BASF Future Business GmbH, Ludwigshafen, Germany
11:50 a.m.	Degradation of PEM Fuel Cells and Systems Ulf Groos, ISE Fraunhofer-Institute for Solar Energy Systems, Freiburg, Germany
12:10 a.m.	The ZSW eLaB in Ulm: A new Facility for Manufacture and Test of Lithium Ion Batteries Dr. Alice Hoffmann, ZSW Center for Solar Energy and Hydrogen Research, Ulm, Germany
12:30 a.m.	Meet the Speakers
1:00 p.m.	Lunch Break (Rooms: "Eyth-Saal" and "List-Saal", 2nd floor)