



hy-fcell

International
Expo and Conference
13-14 Sep 2023 | Germany

Messe Stuttgart
Key to Markets



Accelerate into the future!

VISITOR GUIDE

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International
Expo and Conference

Messe Stuttgart
Key to Markets



SAVE THE DATE!

8-9 October 2024 | Germany

We're looking forward to meet you again in 2024! Discover and discuss the future of hydrogen and fuel cells at Messe Stuttgart!

See
you in
2024!

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Table of Contents

A very diverse program awaits you at hy-fcell 2024. Products, practical applications, networking and everything that you need to know about practical experience and the future of hydrogen and fuel cells.

The Visitor Guide is your perfect companion for the International Expo and Conference. Here you can find all important information about the conference, as well as the hall plans, the list of our exhibitors and the highly diversified accompanying program of the expo. We wish you a successful hy-fcell!

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Imprint

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Last updated on Aug. 31, 2023

Welcome Note from Winfried Kretschmann

The latest technologies in the area of hydrogen and fuel cells have been discussed at the international exhibition and conference hy-fcell for over 20 years now. This is where knowledge is exchanged and valuable relationships are established. I warmly welcome all exhibitors as well as the visitors to this event, for which I was very delighted to accept the role of patron.

Green technologies such as hydrogen and fuel cells are an important key in shaping our economy in an ecological and sustainable manner in the future and curbing the advancing climate change on this path. As one of the most important meeting points for the industry, the hy-fcell makes a significant contribution to strengthening Baden-Württemberg as an international location for sustainable technologies and getting projects for the future off the ground.

I would like to extend my thanks to all the organisers - as well as the numerous helpers of the hy-fcell team, who put this event together through their exceptional commitment. I hope all participants enjoy a stimulating exchange of ideas and information, obtain lots of inspiration and experience successful days!



Winfried Kretschmann
Minister-President of the State of Baden-Württemberg





Welcome Note from Roland Bleinroth

Dear Visitors,

It gives us great pleasure to welcome you to hy-fcell 2023, an event that will provide you with numerous opportunities. For over twenty years, hy-fcell has been the international meeting point for the key players in the community involved in the use of hydrogen and fuel cells. As both a conference and an expo, hy-fcell combines the fascination of practical applications with valuable know-how transfer and ideal opportunities for networking in a relaxed atmosphere.

Hydrogen and fuel cells will play a vital role in attaining the ambitious climate goals. They also provide industry in Baden-Württemberg with future opportunities in real terms. The importance of an international expo and conference in this context at Messe Stuttgart is underlined by the fact that Winfried Kretschmann, Minister-President of Baden-Württemberg, has accepted the role of patron of hy-fcell. We are very pleased about this.

Cooperation agreements are initiated and successful business relationships are forged during hy-fcell. The international expo and conference offers you valuable contacts in politics, research and industry, and also enables you to hold face-to-face discussions with potential cooperation partners. As the organiser of the event, we will create the ideal framework in this respect: in the heart of the Stuttgart technology region you can look forward to a get-together - designed by our experienced hy-fcell team - which will give you valuable insights very quickly. Make use of this opportunity for exclusive discussions!



Roland Bleinroth
President of Messe Stuttgart

Connecting hydrogen activities in Baden-Württemberg

Get in touch! Find us at **exhibition booth 4F41** and learn more about current developments, networks and running projects in Baden-Württemberg!



Further information:
www.plattform-h2bw.de



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The Plattform H2BW offers a one stop information shop for all the activities set out in Baden-Württemberg's hydrogen roadmap. It provides information on hydrogen as well as fuel cell technologies and connects political, scientific and economical players to support the local establishment of a thriving hydrogen economy.

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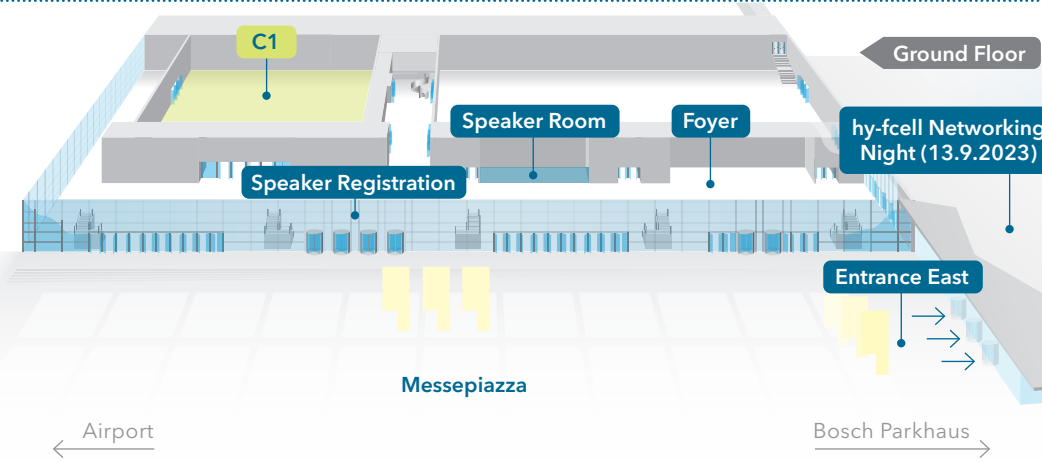
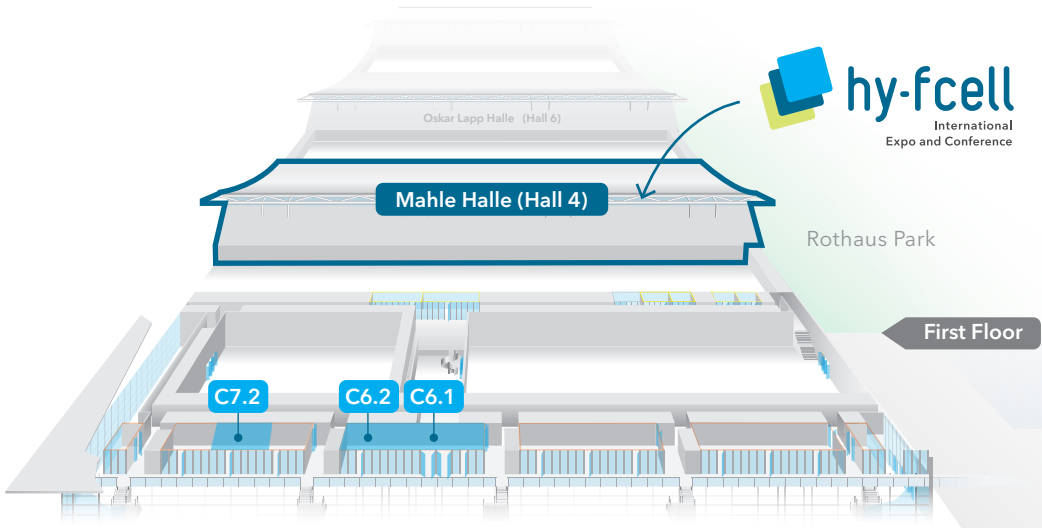
MINISTRY OF THE ENVIRONMENT, CLIMATE PROTECTION
AND THE ENERGY SECTOR

managed by:

e-mobil  **BW**

State Agency for New Mobility Solutions
and Automotive Baden-Württemberg

Exhibition Site Overview



Hall 4	hy-fcell Expo	C6.1	Conference Parallel Session Rooms
Hall 4	NEW: Press Room	C6.2	
C1	Conference Main Stage	C7.2	

Partners

Thank you all for supporting hy-fcell!

ATZ₁₂₅

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2023

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DAS MAGAZIN FÜR WASSERSTOFF UND
BRENNSTOFFZELLEN

**Industrie
anzeiger**

KEM
Konstruktion

MTZ

**pV magazine
group**

r.energy

Sustainability^o










Conference Program Overview

Wednesday, 13 September 2023

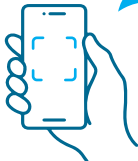
09:30 - 11:00	A - Opening Plenary Main Stage - C1			
11:00 - 11:30	Espresso Yourself - More than a break! Get to know each other. ICS Foyer			
11:30 - 12:30	B1 - Hydrogen Production Main Stage - C1	B2 - Decentralised energy projects: challenges and solutions on the ground Room: C6.1	B3 - Investment and Financing Room: C6.2	B4 - Fuel Cell Production I - Value Chain Room: C7.2
12:30 - 14:00	Networking Lunch Mahle Hall (Hall 4)			
14:00 - 15:00	C1 - Hydrogen Carrier and Synfuels Main Stage - C1	C2 - Mobile Applications: Trucks Room: C6.1	C3 - Public funding & International Projects Room: C6.2	C4 - Fuel Cell Production II - R2HP: Half Plate (Metallic) Room: C7.2
15:00 - 15:30	Espresso Yourself - More than a break! Get to know each other. ICS Foyer			
15:30 - 16:15	D1 - Importance of fluoropolymers (PFAS) across the hydrogen value chain Main Stage - C1			D2 - Fuel Cell Production IIIa - H2BPP: Bipolar Plate (Metallic & Graphitic) Room: C7.2
16:15 - 16:30				D3 - Fuel Cell Production IIIb - Quality Control Room: C7.2
16:30 - 17:00	D4 - hy-fcell Award Ceremony Mahle Hall (Hall 4), Stand 4G15			
17:00 - 17:30				

Color Code:

-  Plenaries
-  Networking Breaks
-  Applications
-  Fuel Cell Components & Systems
-  Fuel Cell Production
-  Hydrogen
-  Investment

Thursday, 14 September 2023

09:30 - 10:15	E1 - Sustainable Aviation Main Stage - C1			E2 - Fuel Cell Production IVa - R2MEA: Catalyst to Ink Room: C7.2
10:15 - 11:00				E2 - Fuel Cell Production IVb - R2MEA: CCM Room: C7.2
11:00 - 11:30	Espresso Yourself - More than a break! Get to know each other. ICS Foyer			
11:30 - 12:30	F1 - Hydrogen Transport & Infrastructure I Main Stage - C1	F2 - Retrofitting & Hydrogen Engine Room: C6.1	F3 - Fuel Cell Components Room: C6.2	F4 - Fuel Cell Production V - MEA Room: C7.2
12:30 - 14:00	Networking Lunch Mahle Hall (Hall 4)			
14:00 - 15:00	G1 - Hydrogen Exporting Countries Main Stage - C1	G2 - Other Applications (Vans, forklifts etc.) Room: C6.1	G3 - Fuel Cell Systems Room: C6.2	G4 - Fuel Cell Production VI - ST2P: Recycling/ Remanufacturing Room: C7.2
15:00 - 15:30	Espresso Yourself - More than a break! Get to know each other. ICS Foyer			
15:30 - 16:30	H - Closing Plenary: Digitalization in H₂-Device Manufacturing Main Stage - C1			
16:30 - 17:00	Farewell Drink: Join us for free drinks & Networking Mahle Hall (Hall 4) - hy-fcell Lounge, Stand 4D39			



Scan me!

Scan the QR Code to view the detailed Conference Program on your smart device!

Detailed Conference Program

Wednesday, 13 September 2023

Time

Category / Title

Speaker

A - Opening Plenary

Room: C1 - Main Stage, Chair: Kilian Reichert, Germany

09:30	Welcome	Kilian Reichert
09:33	Welcome notes	Roland Bleinroth, Landesmesse Stuttgart GmbH
09:40	Status quo and pathway towards a global hydrogen market	Daria Nochevnik, Hydrogen Council
10:00	Towards a green hydrogen economy - Insights into efficient electrolysis enabled by innovative stack technology	Dr. Jörg Ziuber, Robert Bosch GmbH
10:20	Zero-Emission H2 Solutions for Transportation - building a 360° Ecosystem	Andreas Haller, Quantron AG
10:40	Discussion and Q&A	

11:00 - 11:30

Espresso Yourself - More than a break! Get to know each other. ICS Foyer

B1 - Hydrogen Production

Room: C1 - Main Stage, Chair: Dr. Manuel Schaloske, NRW.Energy4Climate

11:30	Towards a Hydrogen Economy: A Global Analysis of Technologies and Market Developments	Prof. Christopher Hebling, Fraunhofer Institute for Solar Energy Systems ISE
11:50	Hydrogen@RWE: The case for utility-scale green hydrogen production in Europe	Dr. Sebastian Vogel, RWE Generation SE
12:10	Green hydrogen - the European perspective	Matthias Altmann, Ludwig Bölkow Systemtechnik GmbH (LBST)

B2 - Decentralised energy projects: challenges and solutions on the ground

Room: C6.1, Chair: Sabine Ziem-Milojevic, NOW GmbH

11:30	Welcome & Introduction	Sabine Ziem-Milojevic, NOW GmbH
11:40	Keynote: Implementation of decentralised energy projects in South Africa and Namibia - Perspectives	Dr. Ulrike Beyer, Fraunhofer Institute for Machine Tooling and Forming Technology IWU
11:50	Panel discussion with:	Dr. Michael Nöding, Robert Bosch GmbH Manfred Limbrunner, Proton Motor Hanane El Hamraoui, HDF Energy Björn Ledergerber, SFC Energy AG
12:15	Q&A and Wrap-up	Sabine Ziem-Milojevic, NOW GmbH

B3 - Investment and Financing

Room: C6.2, Chair: N.N.

11:30	Improving Bankability of MEGA Projects and Get Financed. Key barriers and investor risks.	Daniel Eisenhuth, Ernst & Young GmbH
11:50	tbc	Frank Sibert, BNP Paribas
12:10	CellForm Investment & Financing case for the Future of Bipolar Plates	Simon Brugger, CellForm

Wednesday, 13 September 2023

Time

Category / Title

Speaker

B4 - Fuel Cell Production I: FC Production - Value Chain

Room: C7.2, Chair: Gerd Krieger, VDMA Fuel Cells Working Group

11:30	Introduction Fuel Cell Production	Prof. Dr.-Ing. Welf-Guntram Drossel, Fraunhofer Institute for Machine Tooling and Forming Technology IWU
11:40	Value chain - Example Innovation Cluster GO-Start BZ	Gerd Krieger, VDMA Fuel Cells Working Group
11:50	tbc	Lukas Hoffman, P3 KOREA LTD. P3 Group GmbH
12:00	Discussion	
12:30 - 14:00	Networking Lunch Mahle Hall (Hall 4)	

C1 - Hydrogen Carrier and Synfuels

Room: C1 - Main Stage, Chair: Kilian Reichert

14:00	Keynote: Power-to-X supply-chains for the import of green molecules - costs and bottlenecks	Dr. Christoph Hank, Fraunhofer Institut for Solar Energy Systems ISE
14:20	Panel discussion with: Manfred Schuckert, Daimler Truck AG Timo Bollerhey, HINT.CO GmbH - an H2Global Stiftung Company Arthur Gebhardt, GETEC Switzerland AG Dr. Christoph Hank, Fraunhofer Institut for Solar Energy Systems ISE	

C2 - Mobile Applications: Trucks "Fuel Cell: Truck Applications"

Room: C6.1, Chair: Dr. Volker Banhardt, e-mobil BW GmbH

14:00	Hydrogen fuel cell solutions as enabler for heavy duty transport decarbonization: Symbio's product and industrial roadmap	Christophe Schramm, SYMBIO
14:20	Bosch's FCPM - First Series Launch of Fuel Cell System custom-built for Commercial Vehicles	Hans-Joachim Schulz, Robert Bosch GmbH
14:35	Fuel cell excellence: progress in cellcentric fuel cell development	Dr. Matthias Jurytko, cellcentric GmbH & Co. KG
14:50	Plenary Discussion	

C3 - Public funding & International Projects

Room: C6.2, Chair: Dr. Frank Koch, EE ENERGY ENGINEERS GmbH

14:00	BMDV's funding for hydrogen and fuel cells in Mobility	Adam Mutwil, Federal Ministry for Digital and Transport (BMDV)
14:20	tbc	tbc
14:40	tbc	tbc

C4 - Fuel Cell Production II - R2HP: Half Plate (Metallic)

Room: C7.2, Chair: Dr. Henning Janssen, Fraunhofer Institute for Production Technology IPT

14:00	How to meet future demands in bipolar plate manufacturing - An integrated approach for metal forming process chains	Dr. Henning Janssen, Fraunhofer Institute for Production Technology IPT
14:10	Design and manufacturing of high performance metallic bipolar plates	Dr. Joachim Scherer, EKPO Fuel Cell Technologies GmbH
14:20	Production lines for high volumes of metallic Bipolar Plates	Uwe Rosenauer, Schuler Pressen GmbH

Wednesday, 13 September 2023

Time	Category / Title	Speaker
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14:30	Optimised Materials for Metallic Bipolar Plates for PEM FC	Frederike Rothausen, Federal-Mogul Sealing Systems GmbH A Tenneco Company
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14:40	Plenary Discussion	
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15:00 - 15:30	Espresso Yourself - More than a break! Get to know each other. ICS Foyer	
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D1 - Importance of fluoropolymers (PFAS) across the hydrogen value chain. How could hydrogen industry handle the impacts of the proposed PFAS restriction?

Room: C1 - Main Stage, Chair: Gerd Krieger, VDMA Fuel Cells Working Group & Volker Banhardt, e-mobil BW

15:30	Introduction	Gerd Krieger, VDMA Fuel Cells Working Group & Volker Banhardt, e-mobil BW GmbH
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15:40	Panel discussion with:	Prof. Dr. Christian H. Mohrdieck, cellcentric GmbH & Co. KG Dr. Holger Dziallas, Greenerity GmbH Jürgen Bareiß, OPTIMA life science GmbH Michael Kleiner, Ministry of Economic Affairs, Labour and Housing of the State of Baden-Wuerttemberg
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D2 - Fuel Cell Production IIIa - HP2BPP: Bipolar Plate (Metallic & Graphitic)

Room: C7.2, Chair: Sören Scheffler, Fraunhofer Institute for Machine Tools and Forming Technology IWU

15:30	New technologies and systems for the future high-rate and flexible production of bipolar plates	Sören Scheffler, Fraunhofer Institute for Machine Tools and Forming Technology IWU
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15:37	Next generation bipolar plates for higher power density stacks	Maximilian Schwager, Ballard Power Systems Europe A/S
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15:44	tbc	Martin Florstedt, SITEC
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15:51	tbc	Johannes Buehrle, Trumpf
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16:00	Plenary Discussion	
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D3 - Fuel Cell Production IIIb - Quality Control

Room: C7.2, Chair: Marlin Kersting, Fraunhofer Institute for Production Technology IPT

16:15	Introduction into Quality Control	Marlin Kersting, Fraunhofer Institute for Production Technology IPT
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16:20	Safe start of production of fuel cell stacks and systems at Bosch	Jan Lerner, Robert Bosch GmbH
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16:30	Quality Management Approaches for Coatings of Metal Bipolar Plates	Lars Lieberwirth, Sydorgen Energy Pte. Ltd. (a NTI group company)
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16:40	Ensuring Leak Tightness in Fuel Cell Industry	Anthony Nobel, ZELTWANGER Leaktesting & Automation GmbH
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16:50	Plenary Discussion	
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D4 - hy-fcell Award Ceremony

Room: Speaker's Corner, Expo Hall, 4G15, Chair: Kilian Reichert

16:30 - 17:30	Greetings	Dr. Michael Münter, Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg
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	Keynote	Dr. Franziska Brantner MdB, Federal Ministry for Economic Affairs and Climate Action
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	hy-fcell Award Ceremony	
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Thursday, 14 September 2023

Time

Category / Title

Speaker

E1 – Sustainable Aviation

Room: C1 – Main Stage, Chair: Kilian Reichert, Germany

09:30	The Role of Hydrogen and Synthetic Fuels in Sustainable Aviation	Dr. Achim Schaadt, Fraunhofer Institut for Solar Energy Systems ISE
09:45	H2FLY - hydrogen-powered zero-emmission aviation	Prof. Dr. Josef Kallo, H2FLY GmbH
10:00	Transforming airports to new hydrogen hubs	Ulrich Heppe, Flughafen Stuttgart GmbH (Stuttgart Airport)
10:15	Developing national transition strategies for countries heavily reliant on the gas and oil sector, and possessing significant potential for hydrogen and biofuel production	Viktoriia Betina, Ernst & Young GmbH
10:30	Discussion	

E2 – Fuel Cell Production IVa – R2MEA: Catalyst to Ink

Room: C7.2, Chair: Linda Ney, Fraunhofer Institute for Solar Energy Systems ISE

09:30	From Catalyst Powder to Ink Formulation for PEM fuel cells	Linda Ney, Fraunhofer Institute for Solar Energy Systems ISE
09:40	Precious Metal Catalysts for the Hydrogen Economy - A View on Industrial Development	Christian Gebauer, Heraeus Precious Metals GmbH & Co. KG
09:50	Introduction of TKK electrocatalysts	Michihito Yokoo, TANAKA KIKINZOKU KOGYO K.K. (TKK)
10:00	Plenary Discussion	

E2 – Fuel Cell Production IVb – R2MEA: CCM

Room: C7.2, Chair: Ulf Groos, Fraunhofer Institute for Solar Energy Systems ISE

10:15	Introduction	Ulf Groos, Fraunhofer Institute for Solar Energy Systems ISE
10:20	PFAS in membrane-electrode-assemblies - current state of the art and future developments	Dr. Matthias Breitwieser, ionysis
10:30	Future trends in coating and decal processes for fuel cell machine technologies	Simone Kiesel, LACOM GmbH i.l.
10:40	Plenary Discussion	

11:00 – 11:30 Espresso Yourself - More than a break! Get to know each other. ICS Foyer

F1 – Hydrogen Transport & Infrastructure I: Technology report New Gases - developing Germanys hydrogen infrastructure out of todays methane grid

Room: C1 – Main Stage, Chair: Tilman Wilhelm, DVGW e.V. - German Technical and Scientific Association for Gas and Water

11:30	The gas grid is ready for hydrogen	Björn Munko, DVGW e.V. - German Technical and Scientific Association for Gas and Water
11:50	tbc	tbc
12:00	Hydrogen-Island Öhringen - admixture of 30 vol.-% hydrogen in an existing gas distribution network	Dr. Heike Grüner, Netze BW

Thursday, 14 September 2023

Time

Category / Title

Speaker

F2 - Retrofitting & Hydrogen Engine

Room: C6.1, Chair: Prof. Wörner, Esslingen University

11:30	Why retrofitting of existing vehicles makes sense	Dr.-Ing. Till Kaz, IONTRAK GmbH
11:50	tbc	Vincent Lemaire, SAFRA
12:10	The Hydrogen Engine - a climate neutral alternative - 10 answers to 10 questions	Dr. Daniel Hrdina, Allianz Wasserstoffmotor/MAHLE

F3 - Fuel Cell Components

Room: C 6.2, Chair: Alexander Kabza, Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)

11:30	Design, Function and Process of metallic bipolar plates	Rainer Glück, REINZ-Dichtungs-GmbH
11:50	Critical Raw Materials for Fuel Cells and the Hydrogen economy	Andreas Brumby, Material Valley Hessen
12:10	Cell Voltage Measurement - A vital system for the stack	Wolfgang Häussler, Marquardt Management SE

F4 - Fuel Cell Production V - ME

Room: C7.2, Chair: Ludwig Jörissen,
Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)

11:30	MEA-Assembly Challenges in Addition to Catalysts and Membranes	Ludwig Jörissen, Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)
11:50	Highspeed MEA and Stack Assembly Lines	Paul Schwingshärli, MB ATECH GmbH
12:10	Challenges at the MEA production	Werner Volk, OPTIMA life science GmbH

12:30 - 14:00 **Networking Lunch** Mahle Hall (Hall 4)

G1 - Hydrogen Exporting countries

Room: C1 - Main Stage, Chair: Charles Melchior, E4Tech

14:00	Green Hydrogen for Germany's Energy Transition - the vital importance of international sourcing	Dr. Jürgen Friedrich, Federal Ministry for Economic Affairs and Climate Action
14:20	Scotland's Hydrogen-Strategy & the HyLion-project: End-to-End-Supply-Chain for green Hydrogen	Dr. Alexandra Stein, Director Scotland Hub Germany & Dr. Sylvia Trage, Partner MHP - a Porsche Company
14:40	Envisaging international hydrogen supply chains: the MENA region as a producer and exporter	Dr. Ali Abdelshafy, RWTH Aachen University

Thursday, 14 September 2023

Time	Category / Title	Speaker
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G2 - other Applications (Vans, forklifts, etc.)

Room: C6.1, Chair: Alina Richter, e-mobil BW GmbH

14:00	Accelerating the adoption of zero-emission heavy duty fuel cell vehicles - a Total Cost of Utilization (TCU) driven approach	Mike Byberg, Ballard Power Systems, Inc.
14:20	Use of fuel cell buses in local public transport	Markus Wiedemann, Stuttgarter Straßenbahnen
14:40	Increasing the efficiency of H2 based power trains by integration of a metal hydride based cooling system	Inga Bürger, Alexander Wimmer, DLR e.V. - German Aerospace Center

G3 - Fuel Cell Systems

Room: C 6.2, Chair: Alexander Kabza, Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)

14:00	Challenges in the upscaling of FC production	Frank Erne, Proton Motor
14:20	Holistic design approach for fuel cell systems in context of functional safety	Thomas Rösch, REFIRE Europe GmbH
14:40	Fuel cell systems, system testing and system qualification at selected examples	Dr. Florian Henkel, cellcentric GmbH & Co. KG

G4 - Fuel Cell Production - ST2P: Recycling / Remanufacturing

Room: C7.2, Chair: Prof. Dr. Sabrina Zellmer, Fraunhofer Institute for Surface Engineering and Thin Films IST

14:00	Dismantling and Recycling Strategies for Fuel Cells	Prof. Dr. Sabrina Zellmer, Fraunhofer Institute for Surface Engineering and Thin Films IST
14:20	tbc	Matthew Keenan, Ceres Power
14:40	Closing the Loop: Sustainable Recovery of critical raw materials from FCH and WE (BEST4Hy and the experience of HENSEL Recycling)	Anna Marchisio, Hensel Recycling GmbH

15:00 - 15:30 Espresso Yourself - More than a break! Get to know each other. ICS Foyer

H - Closing Plenary: Digitalization in H2-Device Manufacturing

Room: C1 - Main Stage, Chair: Bumin Hatiboglu, Fraunhofer Institute for Manufacturing Engineering and Automation IPA

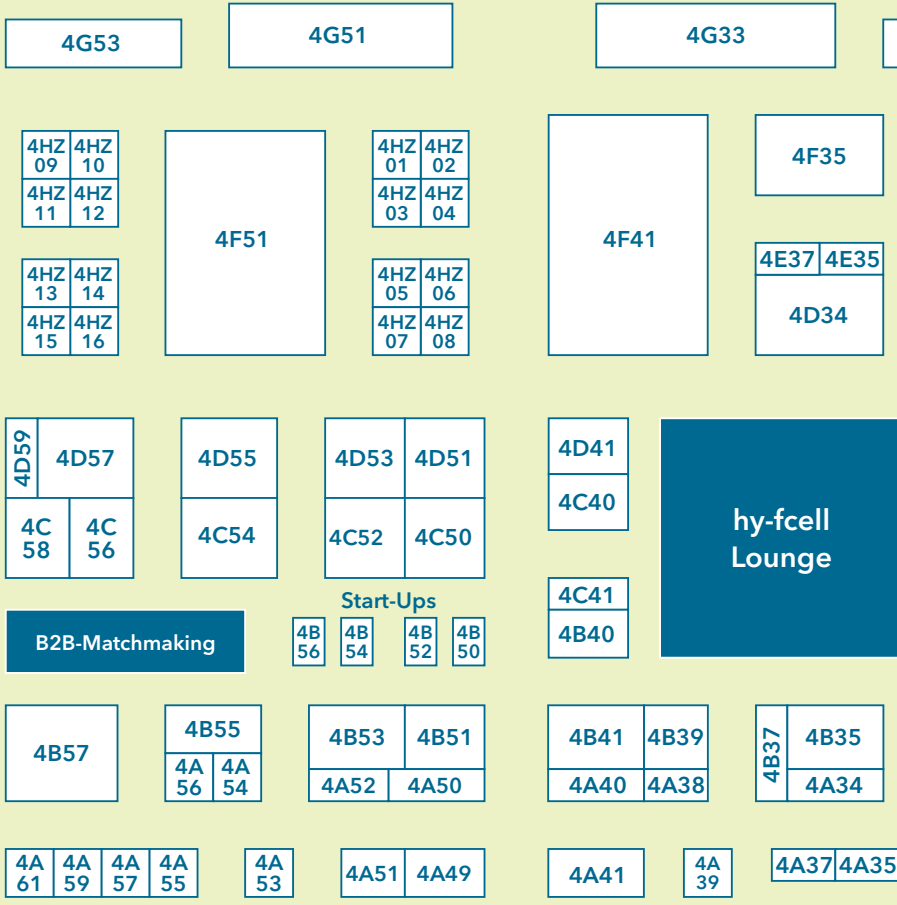
15:30	Introduction	Bumin Hatiboglu, Fraunhofer Institute for Manufacturing Engineering and Automation IPA
15:40	tbc	Chris Muench, OPC Foundation
15:50	tbc	Dr. Sebastian Eberhardt, cellcentric GmbH & Co. KG
16:00	Discussion	

16:30 - 17:00 **Farewell Drink: Join us for free drinks & Networking**

Mahle Hall (Hall 4) - hy-fcell Lounge, Stand 4D39

Hall Plan Mahle Hall (Hall 4)

Conference Catering



The full list of exhibitors can be found on **page 28**.

4G31

Career
Compass

Speaker's
Corner

Trade
Press

ENTRANCE WEST ↑

4F31

Visitor Catering
PM Office
Meeting Room
WC

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4D30

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ROTHAUSPARK →

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Visitor Catering
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Press Room
Press Room

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4A10

ENTRANCE EAST & hy-fcell Conference ↓

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4A 25 4A23

4A19 4A17

4A 13 4A11

Detailed Speaker's Corner Program

Inspiration and fascinating insights: Short keynote speeches in the Speaker's Corner moderated by Johanna Tissot will open new ways into the future of hydrogen and fuel cells. Obtain exclusive insights into applications, components, cooperative ventures and benefit from the knowledge of experts.

Wednesday, 13 September 2023

Time	Category / Title	Speaker	Company
10:00 - 10:10	Applications Optimizing fuelcell powertrains by means of smart power analysis tools in field action	Dipl.-Ing. Timo Eich	CSM Computer-Systeme-Messtechnik GmbH
10:15 - 10:25	Applications Leak, Electrical and End Of Line tests stations in the production of fuel cells and electrolyzers	Luca Marzani	MARPOSS GmbH
10:30 - 10:40	Applications Next Generation Electrolysis and Fuel Cell Coating Solutions	Christian Ulrich	Impact Coatings
10:45 - 10:55	Applications Leak detection: the perfect method for quality and safety improvement in the Hydrogen Value chain	Francesco Nugara	INFICON GmbH
11:05 - 11:15	Stationary Concepts H2 - Ramp up with Tycza Hydrogen	Nico Mehrnusch	Tycza Hydrogen GmbH
11:20 - 11:30	Stationary Concepts Innovative sealing solutions for Electrolyser to enable high volume mass production	Artur Mähne	Freudenberg FST GmbH
11:35 - 11:45	Automation Maximum output in bipolar plate production thanks to the next level of on-the-fly laser processing	Ralf Nürnberg	Blackbird Roboter-systeme GmbH
11:50 - 12:00	Automation How TOX® makes your production of electrolytic cells, electrolyzers and fuel cells efficient	Martin Wolz	TOX® PRESSO-TECHNIK GmbH & Co. KG
12:10 - 12:40	Saxonia HZwo e.V. and Hydrogen Innovation Center	Dr.-Ing. Gert Schlegel	HZwo - Hydrogen Technology Cluster

Wednesday, 13 September 2023

Time	Category / Title	Speaker	Company
14:50 - 13:20	German Fuel Cell Cooperation	Florian Weil	Weil Technology GmbH
	Bipolar plate production: Challenges for the serial production of bipolar plates	Susann Puppe	VON ARDENNE GmbH
	Scalable thin-film coating solutions for bipolar plates	Anthony Nobel	ZELTWANGER Leaktesting & Automation GmbH
13:30 - 14:00	German Hydrogen and Fuel Cell Association	Sebastian Kobbelt	German Hydrogen and Fuel Cell Association
	Ramping up the fuel cell mobility with new framework	Volker Hasenberg	Daimler Truck AG
14:15 - 15:15	Career Compass In 3-Minute Pitches exhibiting companies present themselves as future employers	Fraunhofer-Institut für Solare Energiesysteme ISE / Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)/MB ATECH GmbH/ VAF GmbH/ COATEMA Coating Machinery GmbH / ZELTWANGER Leaktesting & Automation GmbH / Moehwald GmbH (Bosch Group) / Mehrer Compression GmbH / TÜV SÜD Akademie GmbH / cellcentric GmbH & Co. KG	
15:30 - 15:40	Reception and tour with politicians and VIPs	Roland Bleinroth	Messe Stuttgart
	Welcome	Dr. Florian Stegmann	Minister of State and Head of the State Chancellor Baden-Württemberg
15:45 - 16:15	Women in Green Hydrogen	Moderation: Marie-Eve Reinert	Steinbeis Europa Zentrum
	Fueling the Future: Next Generation of Hydrogen Technologies	Carina Holzapfel	H2mc-Heating
	Innovative Hydrogen Solution for Heating	Marta Rubio	Steinbeis Europa Zentrum
	H2GLASS, technology stack enabling 100% H₂ combustion	Irene Robles Garcia	Steinbeis Europe Zentrum
16:30	MOST-H2: nano porous materials for innovative hydrogen storage		
	hy-fcell Award Ceremony	Dr. Michael Münter	Ministerial Director and Head of the Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg
	Greetings		
	Keynote	Dr. Franziska Brantner, MdB	Parliamentary State Secretary at the Federal Ministry for Economic Affairs and Climate Action

Detailed Speaker's Corner Program

Thursday, 14 September 2023

Time	Category / Title	Speaker	Company
10:00 - 10:10	Components ReferenceFactory.H2 - Chance for value added	Dr.-Ing. Ulrike Beyer	Fraunhofer IWU
10:15 - 10:25	Components CellForm - Forming Future Efficiency	Simon Brugger	CellForm
10:30 - 10:40	Components Leading Bipolar Plates Solutions	Martin Florstedt Peter Roth	SITEC Industrie-technologie GmbH Feintool International Holding AG
10:45 - 10:55	Components Electrochemical Impedance Spectroscopy from Single Cells to Stacks	Dr. Jann Odrobina	Zahner-Elektrik GmbH & Co KG
11:00 - 11:10	Components The HOERBIGER anode module - passive recirculation thought holistically	Dr.-Ing. Christopher Traut	HOERBIGER Antriebstechnik Holding GmbH
11:15 - 11:25	Components Production Technology for Bipolar Plates - anything but simple	Fabian Kapp	Graebener Bipolar Plate Technologies
11:35 - 11:45	Components Cell Voltage Monitoring on electrochemical stacks with fully integrated solutions - CVM G6S	Markus Schuster	SMART TESTSOLUTIONS GmbH
11:50 - 12:00	Applications Metallic materials designed for fuel cell and balance of plant	Dr. Magali Blumenau	Zapp Precision Metals GmbH
12:05 - 12:15	Applications Quality control for fuel cell production	Dr. Jens Reiser	Precitec GmbH & Co. KG

Thursday, 14 September 2023

Time	Category / Title	Speaker	Company
12:30 - 13:00	The LÄND macht sich bereit - Qualifizierung im Bereich Wasserstoff Transformation in Baden-Württemberg Wasserstoff Wissen BW: die Qualifizierungsinitiative des Landes Weiterbildungszentrum der Handwerkskammer Ulm: Einblick in aktuelle Schulungsangebote Fit4H2: Ausbildungsfabrik Brennstoffzellenfertigung	Gunter Maetze	e-mobil BW e-mobil BW
		Ling Ma	WBZU KIT wbk
13:10 - 13:40	NOW GmbH Funding opportunities for hydrogen in mobility	Frederik Wewetzer	National Organisation for hydrogen and fuel cell technology
	Innovationscluster Clean Power Net Fuel cells in industry and business	Daniel Conrad Max Warmuth	DB Bahnbaugruppe GmbH Gertek Gerätetechnik GmbH
13:45 - 14:15	Hydrogen in Hessen - a place for innovations in the center of Europe Hydrogen strategy of the federal state Hessen Reliability and Circularity of Fuel Cell Systems Efficient fuel cell tensioning systems Engineering the future of the hydrogen economy	Oliver Eich	Landesstelle Wasserstoff
		Dr. Sven Grieger	Fraunhofer Leistungszentrum-Wasserstoff Hessen
		Dennis Dutenhöfer	KAMAX
		Dr. Stephan Wagner	Segula Technologies GmbH
14:30 - 15:00	Start-up / Pitches 3-Minute Pitches of our start-up exhibitors	Iontrak GmbH Zhejiang Haizhuo New Energy Technologies Co., Ltd Centrum für Digitalisierung, Führung und Nachhaltigkeit Schwarzwald gGmbH	
15:15 - 15:25	Components Production equipment for fuel cells	Dr. Pegah Shakeri	Coatema Coating Machinery GmbH
15:30 - 15:40	Applications Smart H2 Energy Platform	Rainer Schulin	Cosber GmbH
16:30	Farewell Drink: Join us for free drinks & Networking		

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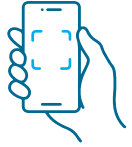
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■ 4C52

NISSHA FIS Inc.

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■ 4C52

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■ 4F41

Robert Bosch GmbH

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■ 4A11

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Z

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■ 4HZ02



General Information

Quickly accessible and located in the middle of one of the strongest economic regions in Europe: Messe Stuttgart combines a welcoming atmosphere with optimal infrastructure and short routes. You can find all key information about Messe Stuttgart and hy-fcell on the following pages.



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President Geschäftsführung	Roland Bleinroth	
Member of Board Management Mitglied der Geschäftsleitung	Guido von Vacano	
Project Management Projektleitung hy-fcell Lounge in hall 4 (Mahle Halle)	Katharina Jathe Manager of Exhibitions and Events / Managerin Messe- und Eventleitung Ulrike Jung Manager of Exhibitions and Event Coordination / Managerin Messe- und Eventkoordination	T +49 711 18560-2727 T +49 711 18560-2854
Duration of trade fair Dauer der Messe	September 13 - 14, 2023 13. - 14. September 2023	
Opening times Öffnungszeiten	Wednesday - Thursday Mittwoch - Donnerstag 9 am - 5 pm 09.00 - 17.00 Uhr	
Venue Ort	ICS + Mahle Hall (Hall 4) ICS + Mahle Halle (Halle 4)	

Pharmacy Apotheke	Airport, Terminal 3, Level 3 Flughafen, Terminal 3, Level 3	T +49 711 948-4400
Doctor Arzt	On business days / werktags: Dr. med. Simona Appeltauer Dr. med. Günther Dengler	T +49 711 7949630
On-duty medical unit (Sat/Sun): Ärztlicher Notdienst (Sa/So):	Filderklinik, central reception / zentrale Aufnahme Im Haberschlag 7, 70794 Filderstadt-Bonlanden	T +49 711 77032660
Railway and flight information Bahn- und Flugauskunft	Information Entrance East Informationen Eingang Ost	
Bank/Cash machines Bank/Geldautomaten	Cash machine from the BW-Bank at the East Entrance (Atrium) Geldautomat der BW-Bank am Eingang Ost (Atrium)	
Businesscenter	Photocopy, Fax, Telephone and Internet (for a fee) East Entrance, Basement Atrium Kopieren, Faxen, Telefonieren, Internet-Nutzung (kostenpflichtig) Eingang Ost - Untergeschoss (Atrium)	
First Aid Erste Hilfe	The Malteser Service is available for medical services during event opening times and situated at the elevated section between L-Bank Forum (hall 1) and Jacques Lanners Halle (hall 3) Malteser Hilfsdienst e.V. / am Höhensprung zwischen L-Bank Forum (Halle 1) und Jacques Lanners Halle (Halle 3)	T +49 711 18560-2199
Fire department Feuerwehr	Emergency number / Notruf: 112 There are fire alarms and fire extinguishers in every hall Feuermelder und Feuerlöscher sind in jeder Halle vorhanden.	T +49 711 18560-3500
	Emergency number in case of fire Feueralarm über Notrufnummer	T +49 711 18560-7777

Cloakrooms and left luggage Garderobe und Gepäckaufbewahrung	ICS Foyer - Basement ICS Foyer - Untergeschoss	
Shopping centre Messeshop	East Entrance - Basement (Atrium) Eingang Ost - Untergeschoss (Atrium)	
Police Polizei	Emergency number / Notruf: 110 Police Station Flughafen Stuttgart Polizeirevier Airport Stuttgart Flughafenstr. 36 70629 Stuttgart	T +49 711 78780-0
Press room Pressezentrum	Mahle Hall (hall 4), room 4.1/4.2 Mahle Halle (Halle 4), Zi. 4.1/4.2	T +49 711 18560-2259
Taxi	Directly at the Messepiazza, at the East Entrance Taxiplätze befinden sich direkt an der Messepiazza, Eingang Ost	T +49 711 251811 T +49 711 566061 T +49 711 557728

**Feel free to contact the project management team
if you have any questions or need help:**



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