

WORLD OF ENERGY SOLUTIONS

October 10–12, 2016

Messe Stuttgart, Germany

Let's motivate
the market!



f-cell

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STORAGE



e-mobility
solutions

Conference program with room plan

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PROGRAM OVERVIEW

Monday, October 10, 2016

9:30 – 10:30	10:50 – 12:30	14:30 – 16:10	16:40 – 17:10
A Welcome *	B International markets	C1 Let's motivate the market!	D Closing
		C2 Smart cities	
		C3 Fuel cells for houses and small companies	
		C4 Hydrogen generation	

Tuesday, October 11, 2016

9:30 – 10:30	10:50 – 12:30	14:30 – 16:10	16:40 – 17:10
E Plenary	F1 Smart homes	G1 Smart grids	H Closing
	F2 Mobile applications cars	G2 Mobile applications buses	
	F3 Electric aircrafts, ships and rail	G3 Hydrogen infrastructure	
	F4 Fuel cells for industry and large facilities	G4 Batteries for houses and small companies	

Wednesday, October 12, 2016

9:30 – 10:30	10:50 – 12:30	14:30 – 16:10	16:40 – 17:10
I Discussion Plenary *	J1 Heavy duty electric vehicles	K1 Smart regions	L Closing
	J2 Safety, regulations and standards	K2 Light duty electric vehicles	
	J3 Batteries for industry and large facilities	K3 Next generation batteries	
	J4 Battery management systems	K4 Charging infrastructure	

The conference will be held in English.
* German/English interpretation provided
for plenaries A and I.

WORLD OF ENERGY SOLUTIONS

October 10–11, 2017
Messe Stuttgart, Germany

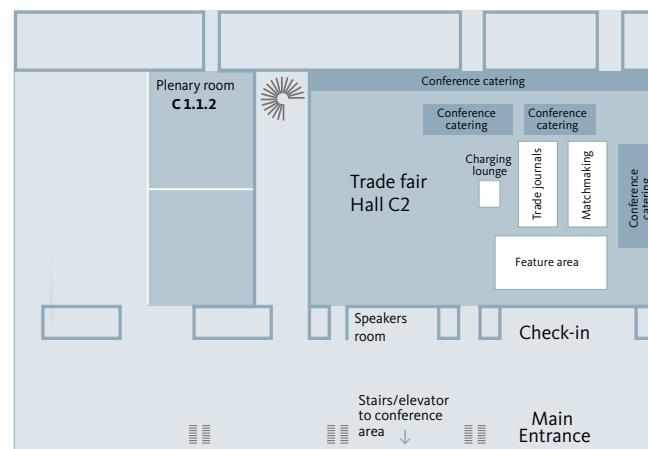
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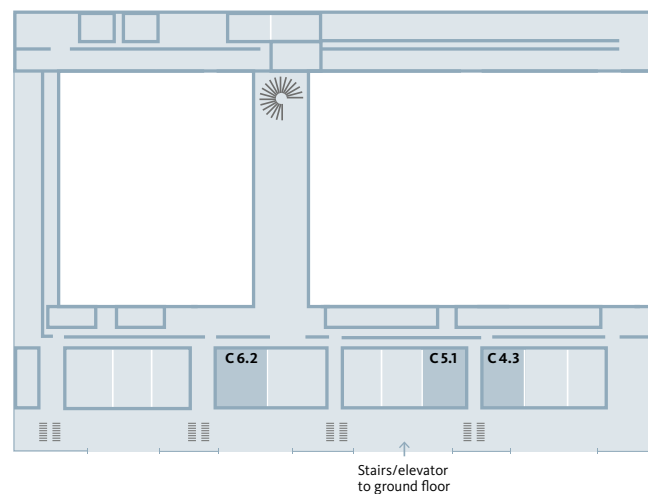
ROOM PLAN

Ground floor



C 1.1.2 A B C4 D E F2 G3 H I J1 K3 L

First floor



C4.3 C1 F1 G1 J3 K2

C5.1 C2 F3 G4 J4 K1

C6.2 C3 F4 G2 J2 K4

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SESSIONS

Monday, October 10, 2016

A Welcome

Room C 1.1.2

Plenary chair: Franz Loogen,
e-mobil BW GmbH, Stuttgart, Germany

09:30 **Welcome address**

Dr. Walter Rogg, Wirtschaftsförderung Region
Stuttgart GmbH, Stuttgart, Germany

09:40 **Welcome address**

Franz Untersteller MdL, Ministerium für Umwelt,
Klima und Energiewirtschaft Baden-Württemberg,
Stuttgart, Germany

10:00 **Keynote**

Franz Loogen, e-mobil BW GmbH, Stuttgart, Germany

B International markets

Room C 1.1.2

Plenary chair: Anne Bräutigam,
Germany Trade and Invest Gesellschaft für
Außenwirtschaft und Standortmarketing mbH, Berlin,
Germany

10:50 **U.S. Department of Energy hydrogen and fuel cell activities**

Sunita Satyapal, U.S. Department of Energy,
Washington, DC, USA

11:10 **New era of a hydrogen energy society**

Yuki Maehiro, Ministry of Economy, Trade and
Industry, Tokyo, Japan

11:30 **An Introduction of China new electric vehicle development**

Bo Zhang, CATARC China Automotive Technology and
Research Center, Beijing, People's Republic of China

11:50 **E-mobility in the Netherlands**

Bert Klerk, Formula E-Team, the Netherlands platform
for E-Mobility, Den Haag, The Netherlands

12:10 **Perspectives of the stationary battery storage market in Germany and its relation to electric vehicles batteries**

Prof. Dr. Jürgen Garche, FCBAT Consulting, Ulm,
Germany

C1 Let's motivate the market!

Room C 4.3

Session chair: Hans-Peter Wandt,
Technologieberatung, Leichlingen, Germany

14:30 **Factors and policies explaining market success of electric vehicles**

Dr. Patrick Plötz, Fraunhofer-Institut für System- und
Innovationsforschung ISI, Karlsruhe, Germany

14:50 **Commercialization of 2 innovations from Japan: H2- and power-sensors**

Prof. Dr. Matthias H. Wunsch, Japan Strategic
Capital Co., Ltd., Tokyo, Japan

15:10 **We love to energize you – sustainable communication, design and product placement: case study station-i**

Tobias Maurus, Zuwesio GmbH (Iguru, Station-i),
Stuttgart, Germany

15:30 **French innovative strategy for H2 mobility deployment**

Fabio Ferrari, H2 Mobility France and Symbio FCell,
Paris, France

15:50 **Sustainable off grid energy for data centers**

Karl Rabe, Windcloud (Braderup) GmbH, Hamburg,
Germany

SESSIONS

Monday, October 10, 2016

C2 Smart cities

Room C 5.1

Session chair: Stefan Slembrouck
Bundesverband Smart City e.V., Mainz, Germany

14:30 **Smart city – future city. How will we live tomorrow?**
Dr. Chirine Etezadzadeh, SmartCity.institute,
Ludwigsburg, Germany

14:50 **Smart cities as a part of the energy transition**
Dr. Holger Wiechmann, EnBW Energie Baden-Württemberg AG, SMIGHT smart.city.light, Karlsruhe, Germany

15:10 **Amsterdam smart city – an agile approach**
Manon Jütte, AmsterdamSmartCity, Amsterdam,
The Netherlands

15:30 **Energiewende 4.0: Digital revolution meets Energy revolution in our cities**
Gudrun Heute-Bluhm, Städtetag Baden-Württemberg,
Stuttgart, Germany

15:50 **Discussion**
Stefan Slembrouck, Bundesverband Smart City e.V.,
Mainz, Germany

C3 Fuel cells for houses and small companies

Room C 6.2

Session chair: Johannes Schiel,
VDMA AG Brennstoffzellen, Berlin, Germany

14:30 **Financial incentives for fuel cells**
Dr. Matthias Hildebrand, Bundesministerium für
Wirtschaft und Energie, Berlin, Germany

14:50 **HySA systems 1kW_e CHP system**
Dr. Cordellia Sita, HySA Systems University of the
Western Cape, Cape Town, South Africa

15:10 **Evolution of residential fuel cell for hydrogen society**
Toshiki Shimizu, Panasonic Corporation, Kusatsu City,
Shiga, Japan

15:30 **Prospective outlook on maintenance aspects of CHP systems**
Tobias Thomsen, Next Energy EWE-Forschungszentrum
für Energietechnologie e.V., Oldenburg, Germany

15:50 **The high demand for energy – efficient BlueGEN solutions for energy supply companies, property owners and user groups: re-thinking energy supply and shaping the market**
Guido Gummert, SOLIDpower GmbH, Heinsberg,
Germany

C4 Hydrogen generation

Room C 1.1.2

Session chair: Dr. Christopher Hebling,
Fraunhofer-Institut für Solare Energiesysteme ISE,
Freiburg, Germany

14:30 **Hydrogen generators for energy storage and industrial applications**
Dr. Jan Vaes, Hydrogenics Europe NV., Oevel, Belgium

14:50 **Challenges in upscaling PEM electrolyzer stacks**
Hector A. Maza, Giner, Inc., Newton, MA, USA

15:10 **Progress in high temperature solid oxide electrolyser for hydrogen production**
Annabelle Brisse, EIFER Europäisches Institut für
Energieforschung, Karlsruhe, Germany

15:30 **Solar hydrogen generation using an 8-cell demonstrator module**
Arne Fallisch, ISE Fraunhofer-Institut für Solare
Energiesysteme, Freiburg, Germany

15:50 **Advanced alkaline water electrolysis for renewable hydrogen production**
Shinji Hasegawa, Asahi-Kasei Corporation,
Kawasaki-city, Kanagawa, Japan

SESSIONS

Monday, October 10, 2016

D Closing

Room C 1.1.2

Plenary chair: Silke Frank,
Peter Sauber Agentur Messen und Kongresse GmbH,
Stuttgart, Germany

Vulnerability of a digital world

Marc Elsberg,
Best seller author



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SESSIONS

Tuesday, October 11, 2016

E Plenary

Room C 1.1.2

Plenary chair: Silke Frank,
Peter Sauber Agentur Messen und Kongresse GmbH,
Stuttgart, Germany

- 09:30 **Barriers and opportunities for battery energy storage – research paper**
Alfons Westgeest, EUROBAT Association of European Automotive and Industrial Battery Manufacturers, Brussels, Belgium
- 10:00 **Electric vehicles: yesterday, today and tomorrow**
Joeri de Ridder, AVERE European Association for Battery, Hybrid and Fuel Cell Electric Vehicles, Bruxelles, Belgium

F1 Smart homes

Room C 4.3

Session chair: Arthur Dornburg
m+p e-mobility, Munich, Germany

- 10:50 **PV, Electrolysis and Fuel cell are working together**
Dr. Andreas Bodén, PowerCell Sweden AB, Gothenburg, Sweden
Hans-Olof Nilsson, PowerCell Sweden AB, Gothenburg, Sweden
- 11:10 **Honda Smart Home System demonstration test**
Hironori Kato, Honda R&D Co., Ltd. Power Products R&D Center, Saitama, Japan
- 11:30 **Smart Energy: Requirements for supply- and storage-technologies in multifamily houses**
Marcus Lehmann, LAVA GmbH & Co. KG, Stuttgart, Germany

- 11:50 **Urban buildings of the future: digital and efficient**
Jan Frederik Harksen, ZP Zuhause Plattform GmbH, Berlin, Germany
- 12:10 **The smart home market landscape in Europe**
Scott Dwyer, Delta Energy & Environment Ltd, Edinburgh, United Kingdom

F2 Mobile applications cars

Room C 1.1.2

Session chair: Dr. Manuel Schaloske
e-mobil BW GmbH, Stuttgart, Germany

- 10:50 **Findings from the ‘cologne-mobil’ xEV field trial**
Dr. Roland Krüger, Ford-Werke GmbH, Köln, Germany
- 11:10 **Honda’s next step towards the hydrogen world with the new Honda Clarity Fuel Cell**
Thomas Brachmann, Honda R&D Europe (Deutschland) GmbH, Offenbach, Germany
- 11:30 **Development of test procedures and lifetime improvement of MEAs for automotive application**
Prof. Dr. K. Andreas Friedrich, Deutsches Zentrum für Luft- und Raumfahrt e.V., Stuttgart, Germany
- 11:50 **Investigation of inhomogeneities in fuel cell stacks**
Ulf Groos, Fraunhofer Institute for Solar Energy Systems ISE, Freiburg, Germany
- 12:10 **FCREEV – Fuel cell range extended electric vehicle on basis of a van**
Thomas Wannemacher, Proton Motor Fuel Cell GmbH, Puchheim, Germany

F3 Electric aircrafts, ships and rail

Room C 5.1

Session chair: Prof. Dr. Josef Kallo,
DLR, Deutsches Zentrum für Luft- und Raumfahrt e.V., Stuttgart-Vaihingen, Germany

- 10:50 **HY4 – fuel cell hybrid application for aviation**
Prof. Dr. Josef Kallo, DLR, Deutsches Zentrum für Luft- und Raumfahrt e.V., Stuttgart-Vaihingen, Germany

SESSIONS

Tuesday, October 11, 2016

- 11:10 **Perspectives for the use of hydrogen in rail transport**
Andreas Frixen, Alstom Transport Deutschland GmbH, Berlin, Germany
- 11:30 **SCHIBZ – a high efficiency diesel fuelled SOFC for application in seagoing vessels and remote land-based installations – status and outlook**
Keno Leites, ThyssenKrupp Marine Systems GmbH, Hamburg, Germany
- 11:50 **Rail transport within the national innovation program: the German perspective**
Thorsten Herbert, NOW Nationale Organisation Wasserstoff- und Brennstoffzellentechnologie GmbH, Berlin, Germany
- 12:10 **Shipping Propulsion and Power Generation**
Jörg Erdtmann, NSB Niederelbe Schifffahrtsgesellschaft mbH & Co. KG, Buxtehude, Germany

F4 Fuel cells for industry and large facilities

Room C 6.2

Session chair: Klaus Ullrich,
FuelCell Energy Solutions GmbH, Dresden, Germany;
Member Executive Team UK Hydrogen Fuel Cell Association

- 10:50 **Case study about the first industrial 1MW fuel cell power plant in Europe**
Thomas Herrmann, E.ON Connecting Energies GmbH, Essen, Germany
- 11:10 **Stationary fuel cell for the logistics sector**
Lars Frahm, Fuji N₂telligence GmbH, Wismar, Germany

- 11:30 **Hydrogen transport and storage**
Wolfgang Wolter, Wystrach GmbH, Weeze, Germany
- 11:50 **De-centralised energy systems: do large scale fuel cell CHP deliver a competitive solution?**
Robert Cumming, Doosan Babcock Ltd., Renfrew, United Kingdom
- 12:10 **Session discussion**

G1 Smart grids

Room C 4.3

Session chair: Dr. Peter Eckerle,
StoREgio Energiespeichersysteme e.V., Ludwigshafen, Germany

- 14:30 **Secure multi-service communication architecture for smart grids**
Maik G. Seewald, Cisco Systems GmbH, Hallbergmoos, Germany
- 14:50 **Challenges and first results of the r&d project „IMEI – Integrated mobility and energy infrastructures“**
Sven Lierzer, BridgingIT GmbH, Stuttgart, Germany
- 15:10 **Demonstration of a new qualitative innovative concept of hydrogen out of wind turbine electricity**
Dimitri Van den Borre, Colruyt Group, Halle, Belgium
- 15:30 **A digitized approach to cross-sector energy management**
Ulrich Schmack, Digital Energy Solutions GmbH & Co. KG, München, Germany
- 15:50 **Battery Storage Systems for Grid Ancillary Services**
Heiko Roß, Leclanché SA, Yverdon-les-Bains, Switzerland

SESSIONS

Tuesday, October 11, 2016

G2 Mobile applications buses

Room C 6.2

Session chair: Bert Witkamp,
AVERE European Association for Battery, Hybrid and
Fuel Cell Electric Vehicles, Bruxelles, Belgium

- 14:30 **Fuel cells for buses and heavy duty applications**
Martin Tröger, Hydrogenics GmbH, Gladbeck,
Germany
- 14:50 **High power charging infrastructure for e-buses:
lessons from deployment**
Natalia Kozdra, Ekoenergetyka-Polska Sp. z o.o.,
Zielona Góra, Poland
- 15:10 **Experience and status of the KIT hydrogen fc bus
shuttle service**
Dr. Thomas Jordan, KIT Karlsruher Institut für
Technologie, Karlsruhe, Germany
- 15:30 **PEM fuel cell stack operation: product reliability
considerations and commercial product availability**
Daljit Bawa, Ballard Power Systems Inc., Burnaby, BC,
Canada
- 15:50 **6 years of FC buses – experience from CHIC, the
largest European fuel cell bus trial**
Nathanael Ko, Universität Stuttgart, Lehrstuhl für
Bauphysik, Stuttgart, Germany
- Closing remarks: EAFO European Alternative Fuels
Observatory: Actual e-bus deployment in Europe**
Bert Witkamp, AVERE European Association for
Battery, Hybrid and Fuel Cell Electric Vehicles,
Bruxelles, Belgium

G3 Hydrogen infrastructure

Room C 1.1.2

Session chair: Reinhold Wurster,
LBST Ludwig-Bölkow-Systemtechnik GmbH,
Ottobrunn, Germany

- 14:30 **A roadmap for hydrogen infrastructure in Germany:
strategic support for R&D and market activation**
Philipp Braunsdorf, NOW Nationale Organisation
Wasserstoff- und Brennstoffzellentechnologie GmbH,
Berlin, Germany
- 14:50 **2023/~400: building up hydrogen infrastructure in
Germany**
Thomas Bystry, Clean Energy Partnership, Berlin,
Germany
- Nikolas Iwan, H2 MOBILITY Deutschland GmbH
& Co. KG, Berlin, Germany
- 15:10 **A hydrogen infrastructure based on liquid organic
hydrogen carriers**
Cornelius von der Heydt, Hydrogenious Technologies
GmbH, Erlangen, Germany
- 15:30 **How to establish a nationwide hydrogen
infrastructure without subsidies**
Rolf Huber, H2 Energy AG, Zurich, Switzerland
- 15:50 **Develop hydrogen fleet and scalable infrastructure:
How to accelerate growth in Europe?**
Tristan Kretschmer, McPhy Energy Deutschland
GmbH, Wildau, Germany

G4 Batteries for houses and small companies

Room C 5.1

Session chair: Dr. Oliver Weinmann,
BVES Bundesverband Energiespeicher e.V., Berlin,
Germany

SESSIONS

Tuesday, October 11, 2016

- 14:30 **Navigating the maze of energy storage costs**
Dr. Moritz Borgmann, Apricum – The Cleantech Advisory, Berlin, Germany
- 14:50 **Redox-flow-battery double used – ABO Winds integrated energy concept**
Jörg Wirtz, ABO Wind AG, Wiesbaden, Germany
- 15:10 **The future of small home storage solutions in Germany – an attempt of a prognosis**
Michael Klysz, Vattenfall GmbH, Hamburg, Germany
- 15:30 **Caterva solar system – the world's first swarm of household sized batteries commercially supplying balancing power**
Markus Brehler, Caterva GmbH, Pullach im Isartal, Germany
- 15:50 **Scientific evaluation of the German market for pv battery systems**
Kai-Philipp Kairies, RWTH Aachen, Aachen, Germany

H Closing

Room C 1.1.2

Plenary chair: Silke Frank,
Peter Sauber Agentur Messen und Kongresse GmbH,
Stuttgart, Germany

- 16:40 **Hydrogen and fuel cells: game changer in the Energy Union**
Jorgo Chatzimarkakis, Hydrogen Europe, Brussels, Belgium

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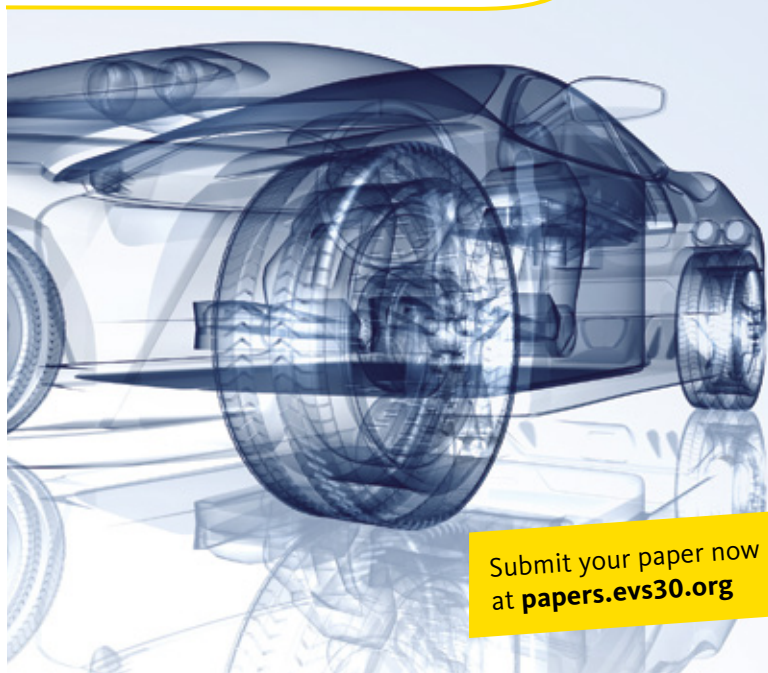
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SESSIONS

Wednesday, October 12, 2016

I Plenary discussion

Room C 1.1.2

Plenary chair: Peter Schwier,
electrive.net, Berlin, Germany

09:30 **Will Germany be left behind regarding its
Energiewende? Could electric mobility be the
saving grace?**

Discussion participants:

Linda Mieden-Appelboom, Generalkonsulat des
Königreichs der Niederlande, Munich, Germany

Matthias Vogt, BridgingIT GmbH, Mannheim,
Germany

Dr. David Wenger, Wenger Engineering GmbH, Ulm,
Germany

Thomas Speidel, ads-tec GmbH, Nürtingen, Germany

J1 Heavy duty electric vehicles

Room C 1.1.2

Session chair: Prof. Dr. Marcus Geimer
Karlsruher Institut für Technik, Karlsruhe, Germany

10:50 **Heavy duty transport and zero emissions: how they
can live together**

Dr. Andreas Truckenbrodt, Truckenbrodt Clean Energy
Consulting Inc., Squamish, BC, Canada

11:10 **Zero emission vehicle trucks and mass transit**
Paul B. Scott, Transportation Power, Inc., Poway, CA,
USA

11:30 **eHighway – electrified heavy duty road transport**
Helge Molthan, Siemens AG, Erlangen, Germany

11:50 **Fuso eCanter – From testing to series production**
Erk Rönnefarth, Daimler AG, Lifecyclemanagement
FUSO Europe, Stuttgart, Germany

12:10 **Decarbonication activities within airport fleets**
Martin Hofmann, Flughafen Stuttgart GmbH,
Stuttgart, Germany

J2 Safety, regulations and standards

Room C 6.2

Session chair: Prof. Dr. Jens Tübke,
Fraunhofer-Institut für Chemische Technologie,
Pfinztal, Germany

10:50 **Implementation of testing standards for electric
vehicles**
Stefan Theuerkauf, TARANIS GmbH, Nordhausen,
Germany

11:10 **Solutions for safe storage and transport of
lithium-ion batteries**
Andreas Sander, K.TeX, Knein Technische Textilien
GmbH, Herzogenrath-Merkstein, Germany

11:30 **Protection for high voltage battery systems –
total humidity control**
Dr. Michael Harenbrock, MANN+HUMMEL GmbH,
Ludwigsburg, Germany

11:50 **Hydrogen safety and emergency response training
for first responders**
Ahmed Essam Aly, FAST Federazione delle
associazioni scientifiche e tecniche, Mailand, Italy and
EHA European Hydrogen Association, Brussels,
Belgium

12:10 **HyPactor – pre-normative research on resistance
to mechanical impact of composite overwrapped
pressure vessels**
Patrick Breuer, Hexagon Composites, Lincoln, NE,
USA

SESSIONS

Wednesday, October 12, 2016

J3 Batteries for industry and large facilities

Room C 4.3

Session chair: Thomas Speidel,
BVES Bundesverband Energiespeicher e.V., Berlin,
Germany

- 10:50 **Which storage system solves my problem – an approach for technology selection and the dimensioning of energy storage systems**
Prof. Dr. Richard Hanke-Rauschenbach, Gottfried Wilhelm Leibniz Universität, Hannover, Germany
- 11:10 **Unique hybrid battery storage system M5BAT**
Dr. Christian Folke, Uniper Technologies GmbH, Gelsenkirchen, Germany
- 11:30 **Batteries on the grid and in powerplants to sustain stability and energy storage solutions**
nn, HOPPECKE Batterien GmbH, Brilon, Germany
- 11:50 **Energy storage systems in SME microgrid – an innovative approach to combine thermal and electrical power systems**
Andreas Becker, AEG Power Solutions GmbH, Warstein-Belecke, Germany
- 12:10 **Session discussion**

J4 Battery management systems

Room C 5.1

Session chair: Matthias Puchta,
Fraunhofer-Institut für Windenergie und
Energiesystemtechnik, Kassel, Germany

- 10:50 **Active balancing – experience with 500 systems in the field**
Werner Zenke, AutacTech GmbH, Ansbach, Germany

- 11:10 **foxBMS: a free, open and flexible battery management system development platform for mobile and stationary applications**
Stefan Waldhör, Fraunhofer-Institute of Integrated Systems and Device Technology IISB, Erlangen, Germany
- 11:30 **More reliability, maximum safety and performance and full degradation-handling without a BMS system**
Wolfram Walter, ASD Automatic Storage Device GmbH, Umkirch, Germany
- 11:50 **Accelerated development and test of BMS using an emulation based HIL**
Dominik Schledde, Fraunhofer-Institut für Windenergie und Energiesystemtechnik, Kassel, Germany
- 12:10 **Session discussion**

K1 Smart regions

Room C 5.1

Session chair: Dr. Michael Münter,
Landeshauptstadt Stuttgart, Stuttgart, Germany

- 14:30 **Mobility, energy and air quality: contradiction or compatibility**
Assumpta Farran, Catalan Energy Institute, Barcelona, Spain
- 14:50 **Sustainable mobility in Milan**
Valentino Sevino, Agenzia Mobilità Ambiente e Territorio s.r.l., Milano, Italy
- 15:10 **The future of electric transport started yesterday**
Maarten Linnenkamp, Metropoolregio Amsterdam, MRA elektrisch, Amsterdam, Netherlands
- 15:30 **Ljubljana – from green vision to better quality of life: successful sustainable mobility solutions in the European Green Capital 2016**
Dejan Crnek, City of Ljubljana, Ljubljana, Slovenia

SESSIONS

Wednesday, October 12, 2016

- 15:50 **Cross-linked industry parks: towards zero-emission regions in the Upper Rhine Valley**
Fabian Burggraf, Strategische Partner – Klimaschutz am Oberrhein e.V., Freiburg, Germany

K2 Light duty electric vehicles

Room C 4.3

Session chair: Alfons Westgeest,
EUROBAT Association of European Automotive and Industrial Battery Manufacturers, Brussels, Belgium

- 14:30 **Innovation in motive power batteries: technology and charging**
Dr. Rainer Bußar, Exide Technologies Operations GmbH & Co. KG, Büdingen, Germany
- 14:50 **A modular fuel cell system for range extender applications**
Dr. Per Ekdunge, PowerCell Sweden AB, Göteborg, Sweden
- 15:10 **Alternative drives in the cleaning industry**
Marco Cardinale, Alfred Kärcher GmbH & Co. KG, Winnenden, Germany
- 15:30 **Purpose design e-vehicle for last mile logistics**
Win Neidlinger, StreetScooter GmbH, Aachen, Germany
- 15:50 **Session discussion**

K3 Next generation batteries

Room C 1.1.2

Session chair: Dr. Peter Bieker,
MEET Batterieforschungszentrum, Münster, Germany

- 14:30 **Challenges and chances for post-lithium ion batteries**
Dr. Peter Bieker, MEET Batterieforschungszentrum, Münster, Germany
- 14:50 **Carbon-silicon composite anodes for next generation lithium ion batteries**
Dr. Christian Schreiner, SGL Carbon GmbH, Meitingen, Germany
- 15:10 **Solid electrolytes as enabler for post lithium batteries**
Dr. Jörg Schuhmacher, Schott AG, Mainz, Germany
- 15:30 **Giga-LiB: research on solutions for large scale modular production of lithium-ion battery cells for electromobility**
Holger Gritzka, ThyssenKrupp System Engineering GmbH, Hohenstein-Ernstthal, Germany
Dr. Rudolf Simon, M+W Group, Stuttgart, Germany
Dr. Ulrich Ehmes, Manz AG, Reutlingen, Germany
- 15:50 **Session discussion**

K4 Charging infrastructure

Room C 6.2

Session chair: Andreas-Michael Reinhardt,
Bundesverband Solare Mobilität e.V., Berlin, Germany

- 14:30 **To which extent does the macroeconomic data analysis of 27 European countries support the EU-wide plans to expand the charging infrastructure?**
Dennis Kaller, Technische Universität Ilmenau, Ilmenau, Germany

SESSIONS

Wednesday, October 12, 2016

- 14:50 **Public charging infrastructure as a key-driver to make electric mobility a mass-market: complementarity with private charging infrastructure**
Arnaud Mora, Freshmile SAS, Entzheim, France
- 15:10 **Standardization of wireless power transfer for PH/EVs through SAE J2954: assisting the path to commercialization**
Jesse Schneider, BMW AG, München, Germany
- 15:30 **eMobility services in digital transforming mobility ecosystems – role and characteristics of charging services in business models**
Andreas Pfeiffer, RWTH Rheinisch-Westfälische Technische Hochschule Aachen, Aachen, Germany
- 15:50 **Why does GOFAST go the 'extra mile' in Switzerland with "supercharger" for everyone (150 kW) already now?**
Marco Piffaretti, Gotthard FASTcharge AG/Protoscar SA, Switzerland
Domenic Lanz, Gotthard FASTcharge AG/Protoscar SA, Switzerland

L Closing

Room C 1.1.2

Plenary chair: Silke Frank

Peter Sauber Agentur Messen und Kongresse GmbH,
Stuttgart, Germany

- 16:40 **The rechargeable battery market and main trends 2015 – 2025**
Christophe Pillot, AVICENNE Energy, Puteaux, France



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WORLD OF ENERGY SOLUTIONS

October 10 – 12, 2016

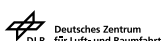
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