



Critical Success Factors of Integrated Electric Mobility

Room 4 | 9 November 2010 | 10.30 – 12.00

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Discussion topic:

Live Wire: electrical and functional safety of batteries, vehicles and charging infrastructure

- ▶ Andreas-Michael Reinhardt, Sub-Project Manager for Accompanying Research “ICT for Electric Mobility”, B.A.U.M. Consult GmbH

Introductory presentations:

- ▶ Prof. Dr. Ullrich Buller, Senior Vice-President Fraunhofer Gesellschaft e. V.
- ▶ Prof. Dr. Holger Hirsch, Power Transmission and Storage, University of Duisburg-Essen
- ▶ Prof. Dr. Uwe Sauer, Institute for Power Electronics and Electrical Drives, RWTH Aachen

Potential and Opportunities through Support for Innovation

Room 4 | 9 November 2010 | 13.00 – 14.30

Discussion topic:

Together ahead – research infrastructure and networking

- ▶ Dr. Martin Arlt, Head of Project Management of project i, BMW Group
- ▶ Prof. Dr. Rudolf Dögl, Vice-President of the University of Applied Sciences Wuerzburg-Schweinfurt
- ▶ Prof. Dr. Andreas Knie, Managing Director of Innovation Centre for Mobility and Societal Change GmbH (InnoZ)
- ▶ Thomic Ruschmeyer, Chairman of Bundesverband Solare Mobilität e. V.
- ▶ Peter Wüstnienhaus, Research Associate, German Aerospace Center e. V. (DLR)

Introductory presentations:

- ▶ Dr. Christian Allmann, Co-ordinator for public support projects, Audi Electronics Venture GmbH
- ▶ Dr. Gereon Meyer, Senior Consultant VDI/VDE Innovation und Technik GmbH

Moderator:

- ▶ Prof. Dr. Günther Schuh, Director of the Laboratory for Machine Tools, RWTH Aachen

Discussion topic:

Empowerment – research promotion on a national and international level

- ▶ Harry Rogasch, C/AGP Department, Robert Bosch GmbH
- ▶ Dr. Jens Winkler, Head of Business Developments/ Participating interests, N-ERGIE Aktiengesellschaft

Introductory presentations:

- ▶ Dr. Andreas Goerdeler, Head of the “Development of Convergent ICT” Unit, Federal Ministry of Economics and Technology (BMWi)

- ▶ Dr. Ulrich Katenkamp, Head of the “Electronics and Electronic Systems” Unit, Federal Ministry of Education and Research (BMBF)

Moderator:

- ▶ Dr. Thomas Becks, Head of Technology and Innovation, Association for Electrical, Electronic & Information Technologies (VDE) e. V.

Discussion topic:

Electric mobility without borders – EU projects and national projects worldwide

- ▶ Dr. Martin Birkner, Head of System Sales, Bosch Software and System House, Robert Bosch GmbH
- ▶ Sergio Fernández-Balaguer, Project Manager, Fundación Movilidad (Mobility foundation), Spain, (tbc)
- ▶ Dieter Gantenbein, Head of the EDISON/ EcoGridEU research project, IBM Research GmbH
- ▶ Herbert Halamek, Key Project Manager eMobility Solutions, Continental Automotive GmbH
- ▶ Prof. Karl E. Noreikat, Senior Consultant, NorCon Scientific Consulting
- ▶ Arjan Wargers, Manager R&D, Stichting E-laad.nl, Netherlands

Moderator:

- ▶ Jan-Olaf Willums, founder, InSpire Invest AS, Norway

Parallel Exhibition

On around 150 square metres, the seven model projects of the “ICT for electric mobility” support programme present their core subjects and first intermediate results. On the central exhibition space in the foyer, congress visitors can learn about the support programme and see exhibits from the model projects.

The range covers technical, mobility and business concepts for integrating ICT and electric mobility as well as prototype developments for the charge management of electric vehicles right through to charging columns and electric vehicles.

For further information:

“ICT for Electric Mobility” support programme:
www.ict-em.com
VDE e. V.: www.vde.de

Imprint

Organiser

Federal Ministry of Economics and Technology
Public Relations Unit
10115 Berlin, Germany
www.bmwi.de

Text

B.A.U.M. Consult GmbH

Design and production

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September 2010



Invitation

Electric Mobility Forum

on 8 / 9 November 2010

at the VDE congress on “E-Mobility:

Technologies – Infrastructure – Markets”

www.ict-em.com

Forum “ICT for Electric Mobility” From the electric vehicle to the overall system: The key topics

The breakthrough to an intelligent overall system of electric mobility is near. Information and communication technologies (ICT) are fundamental to the implementation of the smart grid.

The “ICT for Electric Mobility” forum on at the VDE congress on “E-Mobility: technologies – infrastructure – markets” is the central meeting point for stakeholders working at the interface of ICT, electric mobility and power supply systems. The seven model projects of the “ICT for Electric Mobility” programmes supported by the Federal Ministry of Economics and Technology and the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety are the focus of the forum. Representatives of the model projects present their research programmes along with their intermediate results; key problem areas will be addressed and issues to be worked through within the scope of exchanges between the projects of the E-Energy support programme will also be discussed.

Furthermore, recognised experts from the fields of politics, science and business will talk about challenges and potential solutions on the way to an intelligent overall system for electric mobility in introductory presentations and the discussion forum. They will specifically address technologies and services critical for success as well as opportunities resulting from the promotion of innovation. The two-day conference in Leipzig offers an excellent platform for exchange between decision makers in strategic and development divisions within car and car component manufacturers, key players from power supply companies and ICT companies as well as strategic advisors from the automotive, ICT and energy sectors.

More details of the programme and registration procedure can be found at: www.vde-kongress.de

Trapped by electricity: Integration of electric mobility into existing power and transport networks

Room 4 | 8 November 2010 | 16.30 – 18.00

Moderated panel discussion with:

- ▶ Torsten Günter, Head of the “e-mobility” project, RWE Effizienz GmbH
- ▶ Stefan Mayer, Head of the “eE-Tour Allgäu” project, Allgäuer Überlandwerk GmbH
- ▶ Lars Walch, Head of the “MeRegioMobil” project, EnBW AG
- ▶ Dr. Anke Weidlich, “Future Fleet” project, SAP Research
- ▶ Michael Westerburg, Head of the “Grid Surfer” project, EWE AG
- ▶ Dr. Peter Wolters, Head of the “Smart Wheels” project, FEV Motorenteknik GmbH
- ▶ Prof. Dr. Zbigniew Styczynski, Head of the “Harz.EE-mobility” project, Otto-von-Guericke University Magdeburg

Moderator:

- ▶ Ludwig Karg, Head of the accompanying research projects “E-Energy” and “ICT for Electric Mobility”, B.A.U.M. Consult GmbH

Key Technologies and Services as Innovators

Room 4 | 9 November 2010 | 8.30 – 10.00

Discussion topic:

ICT as the key to electric mobility – power grids, charging and billing

- ▶ Stephan Voit, “e-mobility” project, RWE Effizienz GmbH

Introductory presentations:

- ▶ Jonas Fluhr, “Smart Wheels” project, RWTH Aachen
- ▶ Ludwig Karg, Head of the accompanying research projects “E-Energy” and “ICT for Electric Mobility”, B.A.U.M. Consult GmbH

Discussion topic:

G2V + V2G = V4G – smart grids and electric vehicles

- ▶ Wolf-Ingo Kunze, Head of Mobility, BDEW Bundesverband der Energie- und Wasserwirtschaft e. V.

Introductory presentations:

- ▶ Dr. Thomas Peggler, Institute of Technical Thermodynamics, German Aerospace Center e. V. (DLR), (tbc)
- ▶ Prof. Dr. Gernot Spiegelberg, Head of eMobility, Siemens AG

Discussion topic:

The electric mobility business model – options for power supply companies

- ▶ Thomas Rieder, Head of electric grids, Electro Drive Salzburg, Austria

Introductory presentations:

- ▶ Andreas Pfeiffer, “Smart Wheels” project, Stadtwerke Aachen AG
- ▶ Michael Weltin, E-Mobility project, E.ON Energie AG

Moderator:

- ▶ Franz W. Rother, deputy editor-in-chief, Wirtschaftswoche

Critical Success Factors of Integrated Electric Mobility

Room 4 | 9 November 2010 | 10.30 – 12.00

Discussion topic:

Law and regulation – making the case for electric vehicles and their infrastructure

- ▶ Dr. Katharina Boesche, accompanying research projects “E-Energy” and “ICT for Electric Mobility”, B.A.U.M. Consult GmbH

Introductory presentations:

- ▶ Kai Paulssen, Federal Network Agency
- ▶ Dr. Oliver Raabe, Projekt “MeRegioMobil” project, Centre for Applied Legal Sciences at the Karlsruhe Institute of Technology (KIT)

Discussion topic:

Roadmap to Standardisation: Interoperability through standardised components and interfaces creates clear conditions for electric mobility

- ▶ Dr. Thomas Hagen, accompanying research projects “ICT for Electric Mobility”, incowia GmbH
- ▶ Dr. Jörg Heuer, Head of Service Infrastructure and Multimedia Services, Siemens AG

Introductory presentations:

- ▶ Dr. Josefin Meusinger, Co-ordinator at Verband der Automobilindustrie (VDA) for the National Electric Mobility Platform
- ▶ Dr. Bernhard Thies, Managing Director of the German Commission Electrical, Electronic & Information Technologies of DIN and VDE Electronics & Information Technology of DIN and VDE (DKE)

Moderator:

- ▶ Franz W. Rother, deputy editor-in-chief, Wirtschaftswoche

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Registration

The registration form (fax or online form) and further information can be found at: www.vde-kongress.de.

Accommodation:

Reservation of hotel rooms in Leipzig via www.vde-kongress.de, “Venue” section

Venue:

CCL – Congress Center Leipzig | Messeallee 1 | 04007 Leipzig, Germany | www.ccl-leipzig.de

Traffic connections:

By car: A 14 motorway or B 2 national road, “Leipzig-Messegelände” exit

Rail: Express trains via Leipzig central station (Hauptbahnhof); regional trains via “Leipzig-Messe” stop

Public transport: Tram 16, direction: Messegelände via Leipzig-Hauptbahnhof, end stop right at the fair trade center

Leipzig Airport: Regional express train (“Flughafen-Express”) to “Leipzig-Messe” stop.

Organisation

Accompanying research “ICT for Electric Mobility”

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