

First German Electric Vehicle Conference



©iStockphoto.com | Alexey Dudoladov

German/English simultaneous translation

June 16th + 17th '09
Former parliamentary building, Bonn

For the automobile industry, component suppliers, electric businesses and energy suppliers

Companies

- Adam Opel / GM Europe
- Better Place
- BMW
- Bundesministerium für Bildung und Forschung
- Bundesverband Erneuerbare Energien
- Bundesverband WindEnergie
- Carbike
- Continental
- Delphi Deutschland
- E.ON Energie
- EcoCraft Automotive
- Ecomobil
- EnergieAgentur.NRW
- Energieversorgungs- und Verkehrsgesellschaft mbH Aachen
- European Association for Battery, Hybrid and Fuel Cell Electric Vehicles
- Eurosolar
- ExtraEnergy
- Fraunhofer Institut für System- und Innovationsforschung
- Heuliez
- Institut für Kraftfahrzeuge - RWTH Aachen
- Institut für Stromrichtertechnik und Elektrische Antriebe - RWTH Aachen
- Institut für Zukunftsstudien und Technologiebewertung
- Johnson Controls - SAFT Advanced Power Solutions
- juwi Holding
- Klima-Bündnis
- Loremo
- Mercedes Benz Technology
- Mitsubishi
- Öko-Institut
- PSA Peugeot Citroën
- RWE
- SB LiMotive (joint company of Bosch and Samsung)
- Siemens
- Solon
- Stadt Stockholm
- TÜV SÜD Automotive
- Twike
- Volkswagen
- WiTricity Corporation
- Wuppertal Institut für Klima, Umwelt, Energie GmbH

Organiser



Premium partner



Sponsor



Programme June 16th '09

10:00 - 10:30 h Welcome address

10:30 - 12:00 h The future of electric mobility from the perspective of politics, research and industries



Federal Ministry of Economics and Technology | Dr. Wolf-Dieter Lukas (Head of department "Key Technologies - Research and Innovation")
Hightech for electrical mobility - strategic focusing of the research promotion of the federal government

- National development plan electrical mobility
- 500 € Mio.- programme in the "cyclical package II"
- Batteries - the key technology for the electrical mobility



Fraunhofer Institut für System- und Innovationsforschung | Prof. Dr. Martin Wietschel (Head of department energy economics)
Energy economical perspectives of electrical mobility

- Drivers and efficiency of electrical mobility
- Market penetration scenarios
- Infrastructural setup



Siemens AG | Prof. Dr. Gernot Spiegelberg (Vice President, Electric Vehicle Corporate Technology)
The electric vehicle and its connection to the electricity network

- New business concepts in the mobility sector as an answer to new megatrends
- Consequences of the electric vehicle on energy supply (GRID)
- Requirements for future system architectures

12:00 - 13:30 h Lunch

13:30 - 15:30 h Grid- and mobility concepts



Better Place | Rolf Schumann (Head of project development in Europe)
A Mobility Operator Model for Mass Adoption of Electric Vehicles

- How an operator model works in an auto context
- Open networks, international standards and scalability
- Implications and benefits for people, planet, prosperity, plug



E.ON Energie AG | Dr. Wolfgang Woyke (Technology Policy, New Technologies)
Electromobility: Opportunity and challenge for the energy business

- Potentials of electromobility and their consequences for energy and power demand
- Limitations in low-voltage networks
- Regulation of consumption, electricity billing and network services



RWE AG | Carolin Reichert (Head of new business)
E-mobility - chances, challenges and how RWE contributes

- Market prospects
- General conditions for a quick market breakthrough
- The role of the energy providers



WiTricity Corporation | Eric Giler (Chief Executive Officer)
Wireless energy transfer for EV recharging

- Wireless Power Transfer via Highly Resonant Magnetic Coupling
- Wireless Vehicle Charging - Applications Considerations
- Safety & Emissions Considerations



Bundesverband WindEnergie e.V. | Hermann Albers (President)
Wind energy and electric mobility - two natural partners

- Electric vehicles are driving ecofriendly only when they are powered by renewable energy
- The more wind energy we produce, the more climate friendly the EV will be
- Wind energy and electric mobility are perfect complements for the network management

15:30 - 16:00 h Coffee break

16:00 - 17:30 h Determinant battery



Continental AG | Jörg Grotendorst (Executive Vice President)
Development of batteries and electric drives for electric vehicles by the Continental AG

- From Mildhybrid to Full- and Plug-in Hybrid and electric vehicle applications
- Establishment of large-scale Lithium-Ion cells in modular battery systems
- Multi-layer safety concept



SB LiMotive (joint company of Bosch and Samsung) | Dr. Joachim Fetzer (Executive Vice President)
Current news related to battery development at SB LiMotive

- Requirements lithium-ion battery systems and cells for automobile applications
- Requirements for subsystems
- Architecture and realisation of battery systems and testing concepts



Johnson Controls - SAFT Advanced Power Solutions GmbH | Dr. Christian Rosenkranz (Director Global Business Development & EU Gov Affairs)
Li-Ion batteries: key technology for the electric vehicle

- State-of-the-art of Lithium-Ion technology
- From the cell to integrated battery design
- Challenges to further developments of the technology

Parallel-Session | 16.06.09 (without simultaneous translation)

13:30 - 15:30 Uhr Determinant electric drive



Institut fuer Stromrichtertechnik und Elektrische Antriebe - RWTH Aachen | Timo Schoenen
Batteries - the key technology for the electrical mobility

- Performance requirements
- Engine types
- Electrical concepts



Delphi Deutschland GmbH | Guido Woeste (Predevelopment E/E Architecture)
E/E Architecture - The "Engine" of the Future

- EE System - Influencing factors
- Engine system - In between combustion and e-drive (versions)
- Safety / Environment - Contact Protection / Malfunction / EMV Resources



TÜV SÜD Automotive GmbH | Dr. Frank Edler (Senior Safety Expert)
Safety aspects for electrical engine systems - integral examination and solutions

- Integral safety life cycle (development/production/servicing etc.)
- Chemical safety of the energy storage
- Safety of the voltage supply (functional and electrical safety)



Mitsubishi Motor R&D Europe GmbH | Uwe Likar (Manager Advanced Engineering Planning)
MiEV "The electric vehicle of Mitsubishi"

- Advantages of electrical engine systems - efficiency observation
- Technical details of the MiEV especially: batteries, engine, charging system
- International research and testing programme of the i-MiEV and the running fleet project



MB Technology GmbH | Martin W. Ott (Head of department Hybrid)
Development of EVs - challenges for the organisation and development process

- Role perception between powertrain and complete vehicle organisation
- Regarding the components in the definition of customisation concepts and Package as well as crash, cooling, on-board supply system etc.
- Challenges to the safeguarding: functional check, system integration, complete vehicle test

16:00 - 17:30 h EV-concepts



- Loremo AG | Ulrich Sommer (Management)**
The economical car which drives electrical
- Weight and aerodynamic resistance as a key to energy saving
 - Technology of the Loremo
 - What are the goals of Loremo



- Project TW4XP | Maurice Bergmans (Business Development)**
The progressive Automotive X Prize - The inspiration of a new car generation
- Overview and requirements of the X Prize
 - Lightweight construction - key to the EV success
 - Project TW4XP - official participant of the Progressive Automotive X Prize



- CARBIKE GmbH | Edgar Löhr**
Plan B for the mobility of the future
- How to create an optimized urban vehicle?
 - Carbike philosophy and technology
 - Our vision of sustainable mobility in urban spaces



- Heuliez | Christophe Cairoli (Vertriebs- und Marketingdirektor)**
Friendly - The answer from Heuliez for the electric vehicle
- Electric vehicles - The focal point of Heuliez
 - Development of the innovative concept of Friendly
 - Presentation of the advantages of the Friendly

Coming together

Following the first day of the conference we invite you to a buffet at the exhibition in the foyer of the building at which you are welcome to intensify your networks and spend the remains of the day with interesting discussions.

New networks

Futhermore we can offer the rental of small meeting rooms of the World Conference Center for your own discussions with partners or customers. This is an ideal chance to retreat during the conference programme for a more intense exchange and to use the conference as a meeting place. Please contact us if you are interested.

Programme June 17th '09

08:30 - 10:00 h Electric mobility - Sustainability & Communal Concepts



- Eurosolar e.V. | Dr. Hermann Scheer MdB (President)**
Political framewok for E-mobility
- Supporting measures for the electric mobility
 - Future prospects of the E-mobility
 - Electric mobility and sustainability



- Wuppertal Institut für Klima, Umwelt, Energie GmbH | Prof. Dr. Manfred Fischechick (Vice president)**
Electrical mobility: Opportunities and boundaries in the context of the overall energy system
- Essential premises for the adequate supply of energy
 - Ecological effects of additional energy consumers
 - System based opportunities due to new consumers with storage qualities



- AVERE - European Association for Battery, Hybrid and Fuel Cell Electric Vehicles | Robert Stüssi (President)**
EVs and mobility in cities and states
- The old and the new mobility as well as EV-paradigms
 - The old and the new players- role of the cities and the national government
 - How about the consumer acceptance?

10:00 - 10:30 h Coffee Break

10:30 - 12:00 h Electric vehicle today and tomorrow



- Ecomobil | Peter Grett (the electric avenue consulting) Publisher Ecomobil**
Market overview EV
- Sports cars, passenger cars, Carriers
 - Concepts, Prototypes, Serial models
 - What trends are on the horizon?



- Institut für Kraftfahrzeuge der RWTH Aachen | Prof. Dr. Stefan Gies (Head of the institute)**
Challenges for the electric mobility based on technical and strategical analysis
- Technical and market analysis
 - Deduced challenges for the development
 - Lighthouse Aachen

12:00 - 13:00 h Lunch

Media partner

**AUTOMOBIL
PRODUKTION**

**Automotive
Materials**
Innovation | Advancing | Recycling

bsm

ecomobil

Forum
Nachhaltig Wirtschaften

**Industrie
anzeiger**

13:00 - 14:45 h Electric vehicle today and tomorrow



Volkswagen AG | Peter Lück (head of department hybrid component development)
Electrification of the Drive Train at Volkswagen - Electrical Mobility

- The innovative drive train and fuel strategy of Volkswagen
- Requirements for the electric vehicle
- Technical possibilities of the electric mobility



Adam Opel AG/GM Europe | Gherardo Corsini (Director, Regulations, Environment & CO₂ Strategy)
Opel Ampera and its E-Flex System

- The new technology of the Ampera
- The EV for the German road
- Future role of the electric mobility



PSA Peugeot Citroën | Joseph Beretta (Energy and Automotive Emission)
The more ecological car for everyone - the electric mobility strategy of PSA Peugeot Citroën as a sustainable contribution to eco-friendly mobility

- The PSA Strategy towards the ecological vehicle
- The technological decisions for Europe
- The return of the electric mobility

14:45 - 15:30 h Two-wheeler and utility vehicles



ExtraEnergy e.V. | Hannes Neupert (1st chairman)
Electric Two-Wheeler Market Overview

- Development of the market
- Technical challenges
- Key aspects regarding the market dynamics

EcoCraft Automotive GmbH & Co KG | Achim Wiedey (Head of sales and distribution management)

Parallel-Session | 17.06.09 (without simultaneous translation)

10:30 - 12:00 & 13:00 - 14:00 h Electric mobility - challenge for the municipalities



SOLOM Mobility GmbH | Frank Brehm
Solar mobility

- What is solar mobility?
- Potentials of solar mobility
- Solar mobility solutions of SOLOM



Stadtwerke Aachen | Andreas Pfeiffer
E-mobility for municipalities based on municipal utilities' infrastructures

- Status quo of the electric mobility from the viewpoint of the Municipal Utilities
- Holistic mobility concepts for Municipal Utilities
- Charging infrastructures for municipalities



City of Stockholm | Eva Sunnerstedt (Project Manager Clean Vehicles and Fuels)
Electric vehicles in Stockholm, Sweden

- Experiences with electrical mobility in the past
- Future plans & strategies to establish Stockholm as the electric vehicle city 2030
- Results from the Swedish governmental inquiry on electric mobility presented in end of May 2009



Klima-Bündnis | Dr. Dag Schulze
E-mobility as a chance for the communal climate protection

- Climate Alliance at a glance
- How Electric mobility can contribute to the climate protection
- Measures to promote the electric mobility in municipalities

14:00 - 15:30 h Electric mobility & Sustainability



Bundesverband Erneuerbare Energien e.V. - Speaker consortium: Mobility | Thomic Ruschmeyer (Chairman)
What will move us tomorrow? - Solar mobility!

- What potential does the E-mobility have for private transport?
- What political framework is reasonable for the introduction?
- What significance does this have for renewable energy?



Institut für Zukunftsstudien und Technologiebewertung gGmbH | Max Marwede (Scientific Assistant)
Raw materials for the car of the future

- Commodities for the car of the future
- Demand in 2030
- Presentation of the study "Raw materials for emerging technologies"



juwi Holding AG | Dr. Ronald Große (project manager Solar Mobility)
Solar mobility - key component on the way to "100% renewable energy"

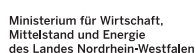
- Presentation of the scope of duties of the juwi-GB Solar Mobility
- Development of power stations
- Integration of renewable energy

15:30 - 16:00 h Coffee break

16:00 - 17:00 h Panel discussion

Partner

▪ AutoClusterNRW ▪ Automotive Rheinland ▪ AVERE - European Association for Battery, Hybrid and Fuel Cell Electric Vehicles ▪ B.A.U.M. Consult GmbH ▪ ExtraEnergy e.V. ▪ fka - Forschungsgesellschaft Kraftfahrwesen mbH Aachen ▪ Institut für Kraftfahrzeuge - RWTH Aachen ▪ ISEA - Institut für Stromrichtertechnik und Elektrische Antriebe - RWTH Aachen ▪ Klima-Bündnis der europäischen Städte mit indigenen Völkern der Regenwälder / Alianza del Clima e.V. ▪ Ministerium für Wirtschaft, Mittelstand und Energie des Landes Nordrhein-Westfalen ▪ Stadt Bonn ▪ Stiftung Arbeit und Umwelt der IG Bergbau, Chemie, Energie ▪ SWB Energie- und Wasserversorgung Bonn/Rhein-Sieg GmbH



First German Electric Vehicle Congress

The future is electrical!

The electric vehicle (EV) is worldwide reinventing the automobile. The electrical mobility is much more than a new drive technology.

- The automotive companies are competing towards the best concepts, who will be the first to start a large-scale production and bring an EV on the market?
- The suppliers are working meticulously to present the car companies perfect solutions for all aspects of their new EVs, including battery technologies, new electrical engines, air conditioning systems or electronical controller.
- The energy provider companies are working on concepts to load the vehicles and are looking forward to the power storages of the EV in order to optimise load management of their power networks.
- And last but not least many scientists and engineers are working on innovative EVs as well as numerous detail solutions.

Due to the perfect combination of innovation and ecology the EV can be a loophole for the automotive industry especially during the current crisis. The EV has a lower CO₂-emission than any other Otto- or Diesel-vehicle even with the present power mix. This is why many politicians and environmental activists show great interest in the EV.

Currently billions are invested worldwide in the EV and all major automobile manufacturers are overbidding each other with news about large-scale productions in 2010, at the latest 2012. This would be the fastest technological revolution which has ever been recorded in the technological history of the human. An efficient collaboration of all stakeholders is the only way to accomplish this task.

The goal of the First German Electric Vehicle Congress in the former parliamentary building in Bonn (World Conference Center Bonn) is to bring together and network all actors in the new field of electric vehicles of all major companies, small and medium-sized businesses as well as the sciences, engineering and politics. This way the congress aims at becoming the main venue for electric mobility.

An exhibition in the grand foyer, a diner buffet for networking and optional workshops for special subjects will round up the programme. A simultaneous translation in English/German will give international speakers and participants the chance to be integrated in the discussions.

Sponsoring & exhibition

Your company in the focus of attention:

Sponsoring

Present your company in the trend-setting environment of the first German electric vehicle congress. We offer you the opportunity to present yourself as a Gold-sponsor, sponsor, dinner, lunch or coffee break host. These and other sponsoring opportunities ensure a heightened awareness of your company and offer manifold ways of communication.

Exhibition

Parallel to the congress an exhibition takes place in the spacious lobby in front of the plenary hall - the ideal opportunity to convey your products and concepts to the congress participants. Feel free to book an exhibition stand.

Please contact us:

Christin Schmidt, christin.schmidt@nova-institut.de, Phone: 0 22 33 - 4814 44
Peter Grett, grett@neu-mobil.com, Phone: 0 89 - 74 72 62 16

Partner

Your association or institute engages in the field of electromobility? Then become a congress partner and be in the center of the media attention.

You can download all informations regarding the exhibition, sponsoring and partnership at: www.e-mobil-kongress.de

Frank Weber (GM), leader of the electric vehicle project Volt: **"The [electric] vehicle is not an evolution but a revolution."**

(Source: Interview with Spiegel Online, 06.06.2008)

E.ON Chief Executive Officer Bernotat: **"Whether we will be driving electric vehicles one day is not the point - the question is only when."**

(Source: Speech at the strategy conference electrical mobility, 25.11.2008)

Bosch-Manager Schneider: **"Our long-term goal is the purely electric driving."**

(Source: Spiegel Online, 07.08.2008)

Leonhard Birnbaum, RWE-Strategy management: **"Electrical mobility will prevail. The time is ripe."**

(Source: Financial Times Deutschland, 12.02.2009)

Conti-Technologievorstand Neumann: **"The electric vehicle has developed a tremendous dynamic."**

(Source: boerse.ard.de, 03.07.2008)

Organiser

The nova-Institut was founded in 1994 as a private and independent institute. The department "Communication" has established itself as a professional organiser of congresses, conferences and workshops during the last few years.

In comparison to other solely congress organisers, the nova-Institut does only organise events which are endorsed by the departments "Economy & resource management" and "Biomaterials" and where intensive networks with the industry, politics and sciences are already existing.

The Electric Vehicle Congress is endorsed by the department "Economy & resource management" which is dealing with future driving technologies amongst other things. There are close bonds with the automotive industry, especially through numerous projects in the field of R&D and market research. The main focus has been on innovative materials so far but has been extended during the last year by driving technologies.

Location

The world conference centre Bonn is close to the former government district in Bonn, close-by the Campus of the United Nations, the Deutsche Welle, the corporate headquarters of Deutsche Post World Net as well as to ministries and several international organisations.

The existing buildings of the congress centre are the former plenary hall of the German Bundestag and the water works. With the extension further capacities for events with up to 5,000 people will be available by the end of 2009. The four star Superior-Ameron World conference hotel with 336 rooms and suites and a car park is affiliated to the extension.

Journey description

You can find a detailed journey description on the website www.e-mobil-kongress.de → Service → journey description.

Hotel

You can access a contingent of reserved hotel rooms through the Tourismus & Congress GmbH. As a special service a ticket for public transportation for the transfer from the Airport Köln/Bonn or the ICE-station Siegburg to your hotel and to the World Conference Center is included in the hotel reservation. For further information and for the booking please visit our website www.e-mobil-kongress.de → Service → Accomodation.



In corporation with:



WORLD CONFERENCE CENTER **BONN**

former plenary hall of the German Bundestag
Platz der Vereinten Nationen 2
53113 Bonn-Gronau
Phone: +49 (0) 2 28 - 92 67-0
info@worldccbonn.com
www.worldccbonn.com

Registration

register online at: www.e-mobil-kongress.de

Congress, 16. & 17. 06. 09	650,00 €
Only 16. 06. 09	400,00 €
Only 17. 06. 09	350,00 €
Congress, 16. & 17. 06. 09 (Students)	300,00 €

All prices are excl. 19 % VAT.

Contact

Michael Carus

Managing director
michael.carus@nova-institut.de



Nicklas Monte

Executive assistant
Phone: +49 (0) 22 33 - 4814 42
Fax: +49 (0) 22 33 - 4814 50
nicklas.monte@nova-institut.de



nova-Institut GmbH

Chemiepark Knapsack
Industriestrasse, 50354 Huerth, Germany
www.nova-institut.de/nr
www.e-mobil-kongress.de