Wednesday, 2\textsuperscript{nd} December 2015

8.00 - Registration & Welcome Coffee

9.00 - Opening Session - European Authorities' Perspective & Views from the Rest of the World

Chair: Van Mierlo Joeri, Chairman of the EEVC SRC, VUB-MOBI/ASBE/AYERE, BE

Welcome Words

EEVC’s Mission and Goals
Vergels Frédéric, Electri-city.mobi, BE

Total Cost of Ownership & Life Cycle Analyses for Electric Vehicles: a State of the Art!
Van Mierlo Joeri, VUB-MOBI/ASBE/AYERE, BE

Worldwide context

Jungmeier Gerfried, Joanneum Research, AT

Emerging Issues from the US Electric Vehicle Market
Allen Jeff, Drive Oregon, US

EU strategies

The European Commission’s Action Plan

DG Research and Innovation (RTD)
Breslin Liam, Dir. H - Transport, BE

DG Mobility and Transport (MOVE)
Van Honacker Hugues, Dir. C - Innovative and Sustainable Mobility
Unit 1. Clean Transport and Sustainable Urban Mobility Innovative and Sustainable Mobility, BE

Pre-normative Research on Electric Vehicles: a New Laboratory to Foster Standardization in E-mobility
Galassi Maria Cristina, EC Joint Research Centre, IT

11.00 - Coffee break
11.30 - Opening Session (cont.)

Visions from the Brussels’ based Associations

POLIS, the European Network of Cities and Regions Working Together to Deploy Innovative Technologies and Policies for a more Sustainable Mobility
Vancluysen Karen, Executive Director, BE

ACEA, the European Automobile Manufacturers' Association
Dolejsi Petr, Mobility & Sustainable Transport Director, BE

UITP, the International Organisation for Public Transport Authorities and Operators
TBD

EUROBAT, the European Storage Battery Manufacturers Association
Westgeest Alfons, Executive Director, BE

EURELECTRIC, the Association of the Electricity Industry in Europe
McGrath Senan, ESB, Chairman of the Task Force on Electric Vehicles, IE

EARPA, the Association of Automotive R&D Organizations
Pena Alberto, Technalia, Secretary of the Task Force Hybrids and Electric Systems and Components, ES

13.00 – Lunch

14.00 - Let's Think Globally! - With OEMs Looking into Building Stationary Storage, all becomes one: Infrastructure, Smart Grid and the Batteries
Chair: Haaland Rune, EVUnion, NO

Daimler
Wind Jörg, EU-Projects and Energy Systems Analyses, DE

Tesla: Success Story or Hype?
De-Leon Shmuel, Shmuel De-Leon Energy, IL

The DENSO Roadmap to a Safe and Healthy Society
Caldevilla Andres, DENSO Automotive Deutschland, DE

Move by Charge
Blech Tomoko, CHAdeMO, FR

Electronics is the key!
Autio Jorma, Delta Electronics, FI

Rapid Charge Network: Breaking down the Barriers to Longer Distance Electric Driving
Wardle Josey, Zero Carbon Futures, UK
16.00 – Coffee break

16.30 - Parallel Sessions:
1A - EUROBAT Special Session
1B - Smart Grid

Lecture 1A - EUROBAT Special Session

EUROBAT’s New E-mobility Battery R&D Roadmap 2030
Westgeest Alfons, EUROBAT, BE

The Rechargeable Battery Market for EV’s: 2015 - 2025
Pillot Christophe, Avicenne Energy, FR

Lecture 1B - Smart Grid

Chair: Croitorescu Valerian, University Politehnica of Bucharest, RO

E-mobility, the Answer to a Clean Urban Energy Ecosystem
Niesing Hugo, Resourcefully, NL

Assessment of ICT-based Architectures for the Integration of EVs in Smart Grids
Rodriguez Raul, TECNALIA, ES

Potential for Electric Vehicles to Contribute to Managing Electricity System Frequency in the United Kingdom
Besseling Joris, Element Energy, UK

Enhancement of Self-consumption by Optimizing Solar Panel Repartition between Home and Job Places in Presence of an Electric Vehicle
Novel-Cattin Frederic, Renault, FR

17.50 - Industry Poster Session
& Welcome Reception

An Empirical Analysis of the Openness Dimension of OCPP Standard
Deniz Sinan, Lund University, SE

Modeling and Analysis of Plug-in Series-Parallel Hybrid Medium-Duty Vehicles
Andrew Burke, University of California, US

EC-based Modelling and Prediction of the Ageing Behavior of Lithium-ion Cells
Campestrini Christian, Institute for Electrical Energy Storage Technology, DE

Conversion of Military Diesel Vehicle to Hybrid Electric
Lavie Arie, IL
Industry Poster Session (cont.)

Lithium-ion Batteries for Electric Vehicle Applications: Calendar Aging Analysis and Second use Considerations
   Ansean David, University of Oviedo, ES

Development of a Low Cost Hydrogen/Petrol Mixed Fuel System for Reducing Vehicle Emissions
   Morris Adrian, AMAP - University of Sunderland, UK

Development of Recharge Panels for Electric Vehicles at Buzios Smart City
   Pecorelli Peres Luiz Artur, Rio de Janeiro State University - UERJ, BR

Metal Hydrides in Fuel Cell Utility Vehicles: a Viewpoint from South Africa
   Linkov Vladimir, HySA Systems Competence Centre, ZA

Operational Analysis with a HIGER-Electrobus with AOWEI-Supercaps using Energy Consumption Data in Real Operation on an Urban Bus Route in Sofia together with Accompanying Simulation Calculations
   Milen Milev, Chariot ElectricBus, BG

A Nonlinear Charge-based Model of Electric Vehicle Fleet Aggregate Battery
   Joško Deur, Faculty of Mechanical Engineering and Naval Architecture, HR

Analysis of the Impact of the Use of the Collective Electric Transport in the Electrical Distribution System
   Feistel Karin, UFSM, BR

19.30 – Gala Dinner

Please note that separate registration is requested to attend the gala dinner

This year's gala dinner will be organised at "La Maison des Brasseurs". Enjoy the Christmas atmosphere when overlooking Brussels' famous Grand Place, UNESCO's World Cultural Heritage!
Thursday, 3rd December 2015

8.30 - Registration & Welcome Coffee

Video conference - Einstein, Volta & Ampera Rooms

9.30 - Keynote: Norway - Reasons of Success & Plans for the Future

Elvestuen Ola, Norwegian Parliament Committee on Environment and Energy, NO

10.00 - Parallel sessions:

2A - Charging & Infrastructure
2B - Markets
2C - Best Practices

Room Einstein

Lecture 2A - Charging & Infrastructure

Donnelly Callum, Transport Scotland, UK

Reliable Integration of Electric Vehicles in Smart Home Infrastructures
Maasmann Jonas, DE

Location Analysis of EV charging Infrastructure in the Brussels Capital Region
Vanhaverbeke Lieselot, Vrije Universiteit Brussel, BE

Strategic Approach to the Improvement of the Public Available Charging Network for Electric Vehicles
Kroon Rob, FIER Automotive, NL

Availability Forecasting of Electric Vehicle Charging Infrastructure
De Clerck Quentin, MOBI - VUB, BE

Room Volta

Lecture 2B - Markets

Chair: Allen Jeff, Drive Oregon, US

Automotive Industry: Which Innovation Drivers Impact on Electric Vehicle Sales?
Ueno Nagisa, BE

Attitudes and Knowledge Regarding Plug-in Electric Vehicles: the Case of Sweden
Wikström Martina, Swedish Energy Agency, SE

Building National Policy Frameworks on Clean Power for Transport: The Case of Austria
Salmhofer Hans-Jürgen, AustriaTech GmbH, AT

Environmental Impact of Electrifying Postal Delivery Fleets in Inner-city Districts: A Life-cycle Assessment of the Street Scooter
Wolff Stefanie, RWTH Aachen University/E.ON Energy Research Center, DE

EV Insertion in Brazil: the Environmental Impact on the Energy Matrix
Feistel Karin Rezende, UFSM - Universidade Federal de Santa Maria, BR
Lecture 2C - **Best Practices**  
*Chair: de Haan Ronald, LeasePlan, NL*

Evaluation of a PV Powered EV Charging Station and its Buffer Battery  
Zhao Hengbing, University of California, US

Public Charging Infrastructure Use in the Netherlands: A Rollout Strategy  
Spoelstra Jop, University of Applied Science Amsterdam, NL

The Try-e-Project  
Bongard Stefan, Hochschule Ludwigshafen am Rhein, DE

I-CVUE Project Mini Session: Promoting and Developing Incentives for Clean Vehicles in Urban Europe  
Davies Huw, University of Cardiff, UK  
Anderson Tim, Energy Saving Trust, UK  
Weken Harm, Fier Automotive, NL  
Schimeczek Christoph, German Aerospace Center, DE

**11.40 - Lunch**

13.00 - Parallel sessions:  
3A - POLIS Special Session - The Dutch Experience  
3B - Markets

Lecture 3A - **POLIS Special Session - The Dutch Experience**  
*Chair: Vancluysen Karen, Polis, BE*

Setting the Scene  
Vancluysen Karen, Polis, BE

Electric Mobility in the Major Cities and Metropolitan Area in the Netherlands and the Life+ Project  
Lindeman Lutske, City of Rotterdam, NL

Electric Taxis Schiphol Airport  
van Leeuwen Martijn, BiosGroep, NL

Fast Charging in the Netherlands, Experimenting and Evaluating  
van Eenennaam Marco, Royal Dutch Touring association, NL

The Use of Public Charging in the Major Cities and Metropolitan Area in the Netherlands: an Analysis  
van den Hoed Robert & Maase Simone, Amsterdam University of Applied Sciences, NL
Lecture 3B - Markets

Chair: Krieg Manuel, Regionalmanagement Nordhessen, DE

Potential for a Battery Electric Vehicle to Fulfill the Vehicle Movements in Two-cars Households
Karlsson Sten, SE

Trends for Electrified Transport Logistic Vehicles on the Market
Beers Eric, Rijwiel en Automobiel Industrie, NL

Towards a Service-oriented Business Model Framework for E-mobility
Walk Jannis, Karlsruhe Service Research Institute, DE

Forecasting Model to Predicat Year-ahead Vehicle in Spain
Naranjo Antonio, Universidad Europea de Madrid, ES

Market Introduction Strategies from the perspective of EV Unit and Charging Network Complementarities-A Study of the Swedish Market
Johansson Magnus, Inst of Economic Research, School of Economics and Management, Lund University, SE

14.40 - Coffee Break

15.10 - Parallel sessions:
4A - POLIS Special Session - A European e-mobility Overview
4B - On the way to mobile sustainability!

Lecture 4A - POLIS Special Session - A European e-mobility Overview

Chair: Vancluysen Karen, Polis, BE

Electromobility in European Cities: Where we stand and what is next
Barrera Gabriela, Polis, BE

A Tour in Oslo
Skistad Espen, Oslo City Hall, NO

Mastering Changes in Urban Public Transport: Introducing High Capacity E-buses in Cities
Bruge Pauline, UITP, BE

Electromobility Solutions from a CIVITAS Best Practice Case: Aachen
Wendermann Georg and Hess-Akens Kristine, CIVITAS Dynamo, DE

Multi-objective Optimization Model to Locate a Fast Charge Infrastructure Network for Electric Vehicles in the Metropolitan Area of Barcelona
Corchero Cristina, Catalonia Institute for Energy Research, ES
Lecture 4B - On the way to mobile sustainability!

Chair: Beers Eric, Rijwiel en Automobiel Industrie, NL

Cross-border Electromobility Corridor, Interoperability and ITS in the EuroRegion Galicia-North of Portugal
Juan Martín, CTAG, ES

E-Car Sharing
Oude Weernink Flip, FIER Automotive, NL

Explaining Differences in Electric Vehicle Policies across Countries
Wesseling Joeri, Lund University, SE

Towards an Optimal Planning Approach for Electric Vehicle Mobility
Mkahl Rania, UTBM, FR

16.50 - Users’ Poster Session
& Networking Drink

Socio-economic Impact of Electric Cars
Randma Teet, Zev Motors, EE

A Socio-economic Study into the Demand for Electric Vehicles
Naude Jethro, UK

Range Extender for Electric Vehicles: Design and Performances Evaluation Through Behavioral Simulation
Dalpez Stefano, Röchling Automotive, IT

Electric Boat Sharing in Venice
Costa Alessandro, Vento di Venezia, IT

EU Regulations on Vehicle Classification, Driving Licence and driving Age: Challenges and Opportunities for Small EVs
Vinckx Luc, BE
Friday, 4th December 2015

8.00 - Registration & Welcome coffee

9.00 - Parallel sessions:
   5A - Battery & Hybrid Vehicles
   5B - Batteries

Lecture 5A - Battery & Hybrid Vehicles
   Chair: Omar Noshin, VUB-MOBI, BE
   Evaluating the Energy Efficiency of a one Pedal Driving Algorithm
   Wang Jiquan, Eindhoven University of Technology, NL
   Aging Inhomogeneity influenced by Cell Size in Commercial Pouch Cells
   Arunachala Raghavendra, TUM CREATE, SG
   The Use of Markov Chain Analysis for Rule-Based Energy Management Optimisation in Electric Vehicles
   Kok Theodorus, University of Sunderland, UK
   Drivetrain Integrated Dc-Dc Converter for 48V Network Vehicles: A Question of Efficiency
   Senol Murat, ISEA, DE
   Low Voltage Electrification
   Antonius Christina, Johnson Controls Power Solutions EMEA, DE

Room Volta

Lecture 5B - Batteries
   Chair: Pettinger Karl-Heinz, University of Applied Sciences of Landshut, DE
   Correlation between Capacity and Impedance of Lithium-ion Cells during Calendar and Cycle Life
   Schuster Simon, Institute for Electrical Energy Storage Technology, DE
   An Extended Causal Li-Ion Battery Model for EV Applications
   Raees Basheer Kunthirikkal Parambu, Claytex, UK
   Lithium Air Batteries: Can this be the Future for Electric Vehicles?
   Bodoardo Silvia, Politecnico di Torino, IT
   Trend of Lithium-ion Cell-to-cell variation during Battery Electric Vehicle Operation
   Berg Philipp, Technische Universität München, DE

10.40 - Coffee break
11.10 - Parallel sessions:
   6A - Battery Vehicles
   6B - Energy Storage

Room Einstein

Lecture 6A - Battery Vehicles

Chair: Bodoardo Silvia, Politecnico di Torino, IT

Electric Vehicles: Impacts of Mileage Accumulation, Fast Charging and Vehicle Aging
Loiselle-Lapointe Aaron, Environment Canada, CA

Design and Gear Shift Control of a Modular Swift-Shift Multi-Speed Transmission for EVs
Morozov Alexei, McGill University, CA

Modular Energy for Electric Vehicles: a Paradigm Shifting Innovation for the Transport Sector
Segard Jean-Baptiste, EP Tender SAS, FR

Post Lithium-ion Batteries: Technologies and Markets
Gonzalez Franco, IDTechEx, UK

Two Gear Ratios Zero Shift Transmission for Electric Vehicles
Crotorescu Valerian, University Politehnica of Bucharest, RO

Room Volta

Lecture 6B - Energy Storage

Chair: Antonius Christina, Johnson Controls Power Solutions EMEA, DE

Kok Theodorus, AMAP - University of Sunderland, UK

Modular Chassis Data Logger for Laboratory and On-road Experimental Tests of Battery Electric Vehicles
Paffumi Elena, European commission - Joint Research Centre - Institute for Energy and Transport, IT

Delivery Van’s Battery Rack Design for Crash Safety, in Thermoplastic with Embedded Sort Fiberglass
Garcia Alvarez Antonio, INSIA-UPM, ES

On-board Cap. Estimation using Half-cell Voltage Curves for LiFePO4 Batteries for Electric Vehicles
Marongiu Andrea, ISEA RWTH Aachen, DE

Optimization of the Electric Mobility Efficiency with new Technologies
Brusaglino Giampiero, ATA, IT

Supercapacitors in Micro- and Mild Hybrids with High Power Lithium Titan Oxide Batteries: Vehicle Simulations and Laboratory Tests
Burke Andrew, University of California, US
13.10 - R&D Poster Session
& Lunch

Two Gear Ratios Zero Shift Transmission for Electric Vehicles
Croitorescu Valerian, University Politehnica of Bucharest, RO

Dynamic Voltage Simulation Techniques for Li-ion Cells with Considering Cell Aging:
Application in Electric Vehicles
Makinejad Kamyar, TUM CREATE, SG

Influence of Motor Thermal Energy Management on EV Performance
Kavalchuk Ilya, Deakin University, AU

Development of a Representative Cycle for Electric Vehicle Energy Assessment
Brest Jean-Sebastien, Altran, FR

Modular Fast Charger for Electric Vehicles
Balen Gleisson, Federal University of Santa Maria - UFSM, BR

The Analyses of Torque Distribution Influence on Energy Consumption in Double Motor Electric Drive
Hajduga Arkadiusz, Warsaw University of Technology, PL

Torque Distribution for Front and Rear Individual Drive of Electric Vehicle
Kopczynski Artur, Warsaw University of Technology, PL

De-risking the TCO of EVs through Intelligent Algorithms
Farrell Lisa, Route Monkey, UK

The Modelling of the Temperature at the Poles and Core of Large Prismatic LiFePO4 Cells
van Sterkenburg Stefan, HAN University of applied sciences, NL

Passive and Active Tracking of Electrochemical Impedance of a Drone battery
Piret Helene, CEA, FR

Key Parameters Design for Online Battery Electrochemical Impedance Tracker
Piret Helene, CEA, FR

Understanding the Different Impacts of High Temperature and High Discharge Rate on the Aging of Lithium-Ion Batteries
Wu Yao, Technical University of Munich, DE
14.30 - Closing session

Snapshots:
- Feed-back from the EU Project Day
- Lessons Learned from EEVC
- Quick Reports by the Session Chairmen

Keynote:
- Economic Co-benefits of Low-carbon Vehicles in Europe: Impact of Efficiency on EU Oil Dependency
  - Gilbert Abrial, European Climate Foundation, NL

Next steps
- Frédéric Vergels, Electri-city.mobi