



09:00 – 10:00 REGISTRATION
10:00 – 11:00 CONFERENCE OPENING
11:00 – 11:30 COFFEE BREAK

TUTORIALS
Aula Magna Hall

Battery, hybrid and Fuel Cell Electric Vehicles are Ready – Challenges, Opportunities and Outlook

Frederic VERGELS (Consultant at Electri-city.mobi)

11:30 – 13:00 E-mobility – Opportunities

Cristian Liviu POPESCU (*Quality Deputy Manager RENAULT*)

Electric Vehicle – Pro or Against

Mihai O. POPESCU (*Prof. PhD Eng., University „Politehnica” of București*), Aurelian CRĂCIUNESCU (*Prof. PhD Eng., University „Politehnica” of București*), Claudia POPESCU (*Prof. PhD Eng., University „Politehnica” of București*)

50 years by Electric Way. Romanian Concerns in the field of Electro-Mobility

Virgil RACICOVSCHI (*PhD, Icpe*)

13:00 – 13:30 EV SHOW OPENING. PRESS CONFERENCE

13:30 - 14:45 LUNCH

14:45 – 15:00 EXHIBITION OF PAINTINGS MADE BY CHILDREN

SECTION 1 → European Union strategies. Romanian politics

Conventus Hall

CHAIRMEN : Frederic Vergels and Grigore Danciu

15:00 -16:00 Technical and Economic Foundation of the Electric Vehicle Market Development

Nicolae VASILE (*Prof. PhD. Eng. Valahia University of Târgoviște and Senior Researcher, Icpe*), Floarea VASILE (*PhD. Eng., Senior Researcher, Icpe*)

Mass Adoption of Electric Vehicles in Romania

Gabriel IGNAT (*founderZERO, ISPE*)

ICE vs Electric vehicle

Sorin MORARIU (*Electrica*)

An Outlook for the Successful Introduction of the Electric Vehicles

Michele CECCUCCI (*PhD Eng., EVU Electric Vehicle Union*)

Electric Vehicle Standardization

Doina DRAGOMIR (*PhD Eng., ASRO*), Daniela LULEA (*Dipl. Eng., ASRO*)

Electric Vehicles for Public Transport – Requirements and Possible Solutions

Niculae DOBOȘ (*Dipl. Eng., Regia Autonomă Transport Public Călători, Cluj-Napoca*),
Liviu NEAG (*Dipl. Eng., Regia Autonomă Transport Public Călători, Cluj-Napoca*), Ioan
HOZA (*Dipl. Eng., Regia Autonomă Transport Public Călători, Cluj-Napoca*)

SECTION 2 → Electric Vehicles

Conventus Hall

CHAIRMEN: Andras Fazakas and Valentin Năvrăpescu

**Results obtained by the Romanian partners for the frame of FP5 European project -
ELMAS - Hybrid Vehicles**

Răzvan MĂGUREANU (*Prof. Dr. Eng., University „Politehnica” of București*), Mihaela
SCORȚESCU (*Dr. Eng., Icpe*), Crișan DAVIDESCU (*Dr. Eng., SC Electrotehnica
Echipamente SRL*)

The Electric Vehicle - A Present Insight from the Future - New Perspectives

Valentin NĂVRĂPESCU (*Prof. PhD. Eng., University „Politehnica” of București*), Anca
DEACONU (*Eng. Master Student, University „Politehnica” of București*), Aurel CHIRILĂ
(*Assist. Prof. PhD Stud.*), Dragos DEACONU, Gianfranco CHICCO

16:00 – 17:00

Research in the Field of Electric and Hybrid Mobility at Pitești University

Danuț MARINESCU (*Conf. Univ., Pitești Univ.*)

A Naval Brushless Motor/Generator for Electric Vehicle

Paul MINCIUNESCU (*Senior Researcher, Icpe*), Stelian MARINESCU (*Senior Engineer,
Icpe*)

The thermic vehicle vs. the electric vehicle

Sorin Mircea MORARIU

Making an automated control system, Robocop

Cătălina PETICĂ (*Eng., Academia Oamenilor de Știință*), Gabriel-Alexandru PETICĂ
(*Student, Facultatea de Energetică, Secția Științe Aplicate*), Alexandru Ionuț CHIUȚĂ

(PhD. Stud.)

Opel Ampera – Presentation Movie

Tiberiu BARDAN (Opel Di Bas)

Conceptual Model of a Propulsion System for EcoBoots

Viorel STANCIU (PhD Eng., Icpe), Mihaela CHEFNEUX (Senior Researcher, Icpe), Paula ANGHELIȚA (PhD Eng., Icpe)

Propulsion System for Light Electric Vehicle

Mihaela SCORȚESCU (PhD. Eng., Icpe), Mihaela CHEFNEUX (Senior Researcher, Icpe)

SECTION 3 → Infrastructure for Electric Mobility. Energy Management

Conventus Hall

CHAIRMEN: Juzer Jangbarwala and Claudia Popescu

The Hydrogen, the energy source of the future, the production of green technologies, converting chemical energy of the hydrogen into electricity, transport applications to achieve electric vehicles

Sandor BARTHA (Icpe)

Transportation System Based on Light Electric Vehicles

Grigore DANCIU (Prof. PhD, Scientific Secretary's Faculty of Transportation, University „Politehnica” of București), Virgil RACICOVSCHI (PhD.), Mihaela CHEFNEUX (Senior Researcher, Icpe) , Liviu KREINDLER (Prof. PhD. University „Politehnica” of București)

17:00 – 18:00

Control Unit of a Doching Station for Light Electric Vehicle

B. Naum (Technosoft International), Liviu KREINDLER (Prof. PhD, University „Politehnica” of București), Aurelian SARCA (Lect. PhD, Technosoft International)

Contactless Battery Charging for EVs

Andrei MARINESCU (PhD Eng., ICMET Craiova)

Air Conditioning Power Consumption for an Electric Vehicle

Valerian CROITORESCU (Prof., University „Politehnica” of București), Mircea OPREAN (Prof., University „Politehnica” of București)

Enhanced Lithium Ion Batterier with Graphitic Nanofibres for Electro-Mobility

Juzer JANGBARWALA

The Fazakas Technology: A View on the Electric/Hybrid Vehicles

Andras FAZAKAS

Resolver using the drives of the electric car

Emil CIOBANU (*Eng., senior researcher Icpe*), Mircea MODREANU (*PhD Eng., senior researcher Icpe*), Daniel Bogdan DUMITRU (*Eng., researcher Icpe*)

High efficiency, pulse operated thermoelectric generator used to power electrical cars

Nelu BÂRSAN (*Eng. senior researcher Icpe*), M. NEDELCU

18:00 – 18:30	I . AWARDING THE WINNER OF THE DRAWINGS MADE BY CHILDREN II. AWARDING THE MOST SIGNIFICANT PERSONALITIES IN THE FIELD
18:30	THEMATIC TRIP

POSTER SESSION

Aula Magna Hall

Functional Stability Analysis of all Traction Motor – Energy Storage System on Autonomous Hybrid Vehicles

Ion VONCILĂ (*Lect. PhD, “Dunărea de Jos” University of Galati*), Elena VONCILĂ (*Phd Stud. “Dunărea de Jos” University of Galati*), Răzvan BUHOSU (*Assist. Prof. PhD, “Dunărea de Jos” University of Galati*)

Electric Vehicles Charging Infrastructure Applied in Romania

Mihai MARCOLȚ (*Romanian National Committee of „CIGRE”*)

Preliminary Results for an Innovative Eco Compatible Boat Based on Integrated Hybrid Propulsion System

Roberto LANDA (*STAM – Genoa, Italia*), Umberto BATTISTA (*STAM – Genoa, Italia*), Stefano ELLERO (*STAM – Genoa, Italia*)

15:00 – 18:00

Powertrain Design of a Light Electric Vehicle based on its Dynamic Model

Grigore DANCIU (*Prof. PhD Eng., Scientific Secretary’s Faculty of Transportation, University „Politehnica” of București*)

The Fazakas Technology: A view on the Electric / Hybrid Vehicles

Andras FAZAKAS

Drive Systems for Electric and Hybrid Vehicles

Liviu KREINDLER (*Prof. PhD Eng., University „Politehnica” of București*), Aurelian SARCA (*Lect. PhD, Technosoft International*), Radu GIUCLEA (*PhD, “Technosoft” Switzerland*)

3D Numerical Model of Permanent Magnet Synchronous Motor for Metropolitan

Electric Transportation System

Leonard Marius MELCESCU (*Lect. PhD, University „Politehnica” of București*), Elek DEMETER (*Researcher, PhD*), Ioan COSTEA – MARCU (*Researcher, Research Institute for Electrical Machines*), Ovidiu CRAIU (*Lect. PhD*), Mircea COVRIG (*Prof. PhD*)

ICPE-ACTEL. Preoccupations in the Electric Cars Field

Ion POTÂRNICHE (*PhD, ICPE ACTEL*), Adina Monica POPA (*Dilp. Eng., VENDIO SRL*)

The Electric Car and the Rush for Strategic Materials

Laurențiu POPPER (*PhD & Ec., Associate Professor at the University of Oradea and CEO at SC Perfect Service SA*)

Analysis of a Naval Propulsion System with the Electric Motor Mounted in the Propeller Sheath

Stelian MARINESCU (*Senior Engineer, Icpe*), Paul MINCIUNESCU (*Senior Researcher, Icpe*)

Two-Wheeled Light Electric Vehicle

Mihaela SCORȚESCU (*PhD Eng., Icpe*), Relu BALABAN (*Researcher, Icpe*), Loren TROCAN (*Researcher, Icpe*), Gabriel RÂȘNOVEANU (*Researcher, Icpe*), Mihaela CHEFNEUX (*Senior Researcher, Icpe*)
