The 24th International Battery, Hybrid and Fuel Cell Electric Vehicle Symposium and Exhibition
Stavanger, Norway
May 13-16, 2009

CALL FOR PAPERS

Profile

Towards Zero Emission

EVS (Battery, Hybrid and Fuel Cell Electric Vehicle Symposium and Exhibition) is the major and most long-lasting event in the electric vehicle sector. Number 24 in the line will take place in Stavanger, Norway 13 – 16 May 2009. EVS covers the technologies related to transportation based on electric drive related technologies.

The International Battery, Hybrid and Fuel cell Electric Vehicle Symposium and Exposition series, EVS for short, organized by the World Electric Vehicle Association (WEVA), for long being recognized as the leading event for all stakeholders involved in electric drive technologies.

The EVS series began in 1969 as an academic forum for global networking and the exchange of technical information. As electric drive technologies progressed from the classrooms and laboratories into the market place, EVS blossomed into an event that is both scientific and business oriented.

Today, the EVS series is recognized as the global electric transportation industry’s premier and largest forum, showcasing all forms of technologies in the market place and on the drawing boards – from low speed battery electric vehicles to fuel cell electric buses. The event attracts academic, government and industry leaders from around the world who are interested in exploring and understanding the technical, policy and market challenges to a paradigm shift toward use of electric transportation technologies.
EVS-24 will be composed of different activities organised around four major axes:

- the symposium, where experts from all around the world will share their scientific, technical or social experience by presenting their papers either at lecture or dialogue sessions
- the exhibition, which is the world’s largest display of products for electric based transportation produced by vehicle manufacturers, component suppliers, infrastructure developers and related service suppliers
- demonstration and Ride & Drive to offer the opportunity to test the vehicles in real conditions
- vehicle race Oslo– Stavanger, coinciding with and in collaboration with the opening of HyNor, the Hydrogen Norway road

Post EVS-24 message from Stavanger
In order to have an impact beyond the May week event in 2009 EVS 24 will develop a Message From Stavanger. This will be a list of recommendations as developed by the experts meeting in Stavanger to make sure the findings and output of the conference, the EVS-24 message, will be taken into account by decision makers at the political and industrial level. It will be specifically targeted at the new Kyoto process starting in Copenhagen, Denmark autumn 2009.
- The message shall be short and to the point. It shall contain the following items:
  - The Situation (the status of the transportation sector).
  - The Challenges (the pros and cons of different solutions as covered by EVS 24).
  - The Solutions to ensure impact (the list of recommendations to the target groups):

Call for Papers
To reach all parties interested in the field, from researchers to market, from manufacturers to politicians, log on to www.evs24.org and submit before 1st November 2008
- a short abstract not exceeding 100 words;
- two to three pages extended abstract, outlining the work to be presented, the objectives and the goal achieved. Inclusion of key figures, tables, diagrams, and, mainly, references are strongly encouraged. The abstract must contain new data, new evidence, new relevant research and be innovative.
Submission of abstract can be done online only, at www.evs24.org. Adequate guidance as regards format is available on this site.
Authors are requested to indicate to which family of vehicles they want to see their papers dedicated (BEV, HEV or FCEV).
Papers will only be included in the conference proceedings after receipt of one full registration fee in due terms. Papers must not have previously been published and, if accepted, cannot be published through other media. Copyright owner for published papers will be AVERE.
Decision of acceptance will be made through a process including three reviewers per paper and a standard jury peer review. Final selection will be made on the basis of the full paper.
Full papers will be published on CD ROM that will be distributed on site. Selected papers will be published in the 3rd World Electric Vehicle Journal.

Recommendations for authors
Climate change is now so much spoken of and discussed among the general public that it is not any more necessary for authors to start lecture with this theme. Other conferences are nowadays covering this theme. Papers should be targeted, to the point and contain fact-based information. The value of EVS is that the best and most highly qualified people mostly constitute the audience. In the selection of papers we will need to focus on that fact so that novel ideas that are not loose but well documented can be at the centre of the exchange of ideas. Visionary but well-documented papers are also most welcome.

Topics
While the main focus in clearly road transport EVS now open its scope to rail, marine and air transportation. There is indeed, for most of the dedicated topics, a clear parallelism between researches make for all types of electrically propelled vehicles whatever their application field.

A–Vehicles

A-1. Public Transport & Heavy Duty Vehicles
A-2. Passenger Cars
A-3. Recreation & Light Vehicles, including for disabled persons
A-4. Non-Road & Industrial
A-5. Waterborne Transportation
A-6. Military Vehicles
A-7. Other Vehicles or Transport Systems

B–Subsystems

B-1. Batteries & Supercapacitor Energy Storage
B-2. Propulsion systems & Subsystems
B-3. Fuel Cells
B-4. Auxiliary Systems
B-5. Modelling and Simulation

C–Energy Supply & Infrastructure

C-1. Charging Infrastructure
C-2. Energy Supply Issues
C-3. Vehicle to Grid

D–Environment

D-1. Environmental Impacts and Life-Cycle Analyses
D-2. Energy Efficiency & Energy Security
D-3. Electromagnetic Compatibility (EMC), Health and Security
E - MARKET ISSUES
E-1. Introduction & Demonstration
E-2. Marketing & Market Research
E-3. Training & Job Creation
E-4. Public Education and Promotion
E-5. Specific Fleet Applications and Management

F - POLICY ISSUES
F-1. Public Policies and Programmes (International, National and Local)
F-2. Standardisation & Regulations
F-3. Life cycle cost analyses and Short-, Medium-, and Long-Term Strategies

G - GLOBAL APPROACH
Research projects comparing different technologies, their energy need or efficiency, their life cycle analysis or similar analysis including comparisons between technologies based on battery, hybrids, fuel cells/hydrogen, bio fuels etc and the impact to reduce emissions on a large scale in a well to wheel perspective.

Deadlines
Receipt of the abstracts: November 1, 2008
Notification of provisional acceptance: January 31, 2009
Receipt of full paper: March 30, 2009
Notification of final acceptance: April 15, 2009
Deadline for registration of first author: April 15, 2009

Best papers
In order to highlight the following specified topics of EVS 24, selected papers and invited papers will constitute the overall profile of EVS 24 and be presented during the plenary opening session during the full day one.

Towards Zero Emission
The sub-themes will focus on the following sub-sectors, where concrete examples planned or built or having been tested out in theory or practice

Large scale projects
Aiming at zero emission. Nations, regions, cities or large scale buildings.

Health
New data and solution related to health consequences of transportation and/or solutions. This theme will be part of the day one plenary.

Youth
Projects in all categories by or for youth, schools or other educational institutions to motivate and educate young people. Also presentations by youth are welcome. This theme will be part of the day one plenary.

Workshops and Tutorials
A number of exciting workshops and tutorials will be organized preceding the conference on Wednesday May 13:

- Workshop on Plug-in hybrid electric vehicles (09:00-13:00)
- Workshop on Procurement of Vehicles (13:00-17:00)
- Workshop on Healthy Low-Carbon Cities and Urban Planning (10:00-16:00)
- Tutorial on Lithium Technology and Batteries (09:00-12:00)
- Tutorial on Hardware in the Loop Simulation (13:00-17:00)
- EU Day on EU-supported Projects (10:00-17:00)

Chairmen and Committee
Chairman of the Conference
Robert STÜSSI, AVERE President

Chairman of the International Program Committee
Joeri VAN MIERLO, Vrije Universiteit Brussel

Chairman of the International Steering Committee
Harald N. RØSTVIK, Chairman of the Board of the EVS 24 Stavanger Organizing Committee

International Program & Steering Committee
Joan ACHTENBERG, GEM, US
Dave ANDERSON, K2 Energy Solutions, US
Mike ANDREW, Johnson Controls, US
Thad BALKMAN, Phoenix Motorcars, US
Joseph BERETTA, PSA Peugeot Citroën, FR
Rosanna BERZIOLI, C.E.I.-CIVES, IT
Jan-Welm BIERMANN, IKA, DE
Giampiero BRUSAGLINO, CRF, IT
C.C. CHAN, University of Hong Kong, HK
Ian CLIFFORD, ZENN, US
Mario CONTE, ENEA, IT
Diane CUTLER, Advanced Energy, US
Matthew DAILIDA, Segway, US
Georges DICK, AMAVE, MC
Al EBRON, NAFTC, US
Jill EGBERT, PG&E, US
Jorge ESTEVES, IST, PT
Wei FENG, China Electrotechnical Society, CN
Sun FENGCHUN, Beijing Inst. Tech., CN
Jim FRIERSON, ATTI, US
Gilles FURET, Electricité de France, FR
Stavanger Organizing Committee
Harald N. RØSTVIK, Chairman
Thor Erik MUSÆUS, Deputy
Sondre Urban LYNGDAL, Stavanger Forum
Arne JOHANSSON, Sweden’s AVERE representative
Rune HAALAND, Norstart, Oslo
Ståle OFTEDAL, Norstart, Stavanger
Tom TVEDT, Rogaland County Council, Stavanger
JACOBSEN, Stavanger region's Brussels office
Akre AAS, Landsforeningen for hjerte- og lungeesyke, Oslo
Syver LEIVSTAD, Norsk Bilbransjeforbund, Oslo

Contacts
European Association for Battery, Hybrid and Fuel Cell Electric Vehicles
c/o VUB-FirW-ETEC
Pleinlaan, 2
BE-1050 Brussels
avere@vub.ac.be
Tel +32 2 629 23 63 - Fax +32 2 629 36 20
www.avere.org

Hosts
• World Electric Vehicle Association (WEVA),
• European Association for Battery, Hybrid and Fuel Cell Electric Vehicles (AVERE)
• Stavanger Forum

Sponsors as per June 2008

More sponsors and exhibitors are welcome. See at www.evs24.org.