

# ***EVS 24***

*Towards Zero Emission*

## **The 24<sup>th</sup> 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 vehicles 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](http://www.evs24.org) and submit before 1<sup>st</sup> 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](http://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 3<sup>rd</sup> 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 is 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 made 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 (09:00-13:00)*
- *Tutorial on Hardware in the Loop Simulation (13:00-17:00)*
- *EU Day on EU-supported Projects (10:00-17:00)*

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