

## THIRD CALL FOR PAPERS

ORGANISED BY &

### CONFERENCE AIMS & SCOPE

Till the sixtieth, automotive manufacturers didn't worry about the cost of fuel. They have never heard of air pollution, and they have never thought about life cycle. Ease of operation with reduced cost maintenance costs meant everything back then. Times have changed. Nowadays, clean air mandates are driving the market to embrace new propulsion systems to substitute or to assist the internal combustion engine.

Within the same commitment and accounting for the alarming increase of the emissions of greenhouse gases associated with the drain in time of fuel reserves, make it urgent the development of renewable energy-based power generating systems.

Following the success of the previous conferences, EVER'2011 is intended to be a forum of specialists coming from both universities and industries, involved in R&D projects in the area of ecological vehicles, or of renewable energies, or of both. They will have the opportunity to share their scientific, technical, business and social experiences with other attendees coming from all over the world, through the presentation and the discussion of their recent works in the conference sessions. They will be offered the chance to discover the latest technological innovations presented in the different booths of the exhibition which will be organized in parallel with the conference.

### CONFERENCE TOPICS

EVER'2011 covers topics on the ecological vehicles (EV), those on the renewable energies (RE), and those shared by both (REV), including (but not limited to) the following:

#### EV1 — ECOLOGICAL VEHICLES

- EV1-a: Road vehicles
- EV1-b: Trains and trams
- EV1-c: Boats and yachts
- EV1-d: Others

#### EV2 — ECOLOGICAL PROPULSION SYSTEMS

- EV2-a: Electric propulsion systems
- EV2-b: Hybrid propulsion systems
- EV2-c: Clean thermal propulsion systems
- EV2-d: Flywheel propulsion systems

#### EV3 — TRACTION DRIVES AND GENERATORS

- EV3-a: Electric machine design and optimization
- EV3-b: Static converter design and control
- EV3-c: Variable speed drives
- EV3-d: Monitoring and diagnostics

#### EV4 — ECOLOGICAL POWER SUPPLIES

- EV4-a: Batteries and ultracapacitors
- EV4-b: Recharging infrastructures
- EV4-c: Fuel cells
- EV4-d: Hydrogen infrastructures

#### RE1 — WIND ENERGY SYSTEMS

- RE1-a: Aerodynamic systems
- RE1-b: Aero-generator design and control
- RE1-c: Wind farm generating systems
- RE1-d: Interfacing to the grid and GCRs

#### RE2 — SOLAR ENERGY SYSTEMS

- RE2-a: Photovoltaic cell sizing and optimization
- RE2-b: Photovoltaic panels and associated converters
- RE2-c: Solar water pumping, heating and treatment
- RE2-d: Solar refrigeration

#### RE3 — HYBRID RENEWABLE ENERGY SYSTEMS

- RE3-a: Wind/solar hybrid energy systems
- RE3-b: Smart grids
- RE3-c: Energy storage and management
- RE3-d: Other hybrid renewable energy systems

#### RE4 — EFFICIENT ENERGY MANAGEMENT IN BUILDINGS

- RE4-a: Buildings and renewable energy integration
- RE4-b: Networked energy aware white-goods
- RE4-c: ICT for sustainable homes
- RE4-d: Smart home

#### REV1 — MARKETING AND ECONOMICAL IMPACTS

- REV1-a: Market analysis, research and prediction
- REV1-b: Employment market expansion
- REV1-c: Economic benefits in short and long terms
- REV1-d: Demonstration, training and maintenance

#### REV2 — EDUCATION AND REGULATIONS

- REV2-a: National programs
- REV2-b: Public policies and facilities
- REV2-c: Public education and youth programs
- REV2-d: Safety, recycling and standardization

### PROGRAM COMMITTEE

EVER'11 General Chairman: **SEM Bernard Fautrier**, Plenipotentiary Minister (MC)

Chairman: **Ahmed Masmoudi**, Research Unit on Renewable Energies and Electric Vehicles (TN)

Co-Chairman: **Raoul Viora**, President of MC2D (MC)

- Luigi Alberti**, University of Padova (IT)
- Ilhem Slama-Belkhdja**, University of Tunis (TN)
- Hamid Ben Ahmed**, SATIE (FR)
- Alain Berthon**, FEMTO-ST Institute (FR)
- Ion Boldea**, Politehnica University of Timisoara (RO)
- Pascal Brochet**, École Centrale de Lille (FR)
- Ilhami Colak**, Gazi University (TR)
- Brayima Dakyo**, University of Le Havre (FR)
- Juan Dixon**, Pontificia Universidad Católica (CL)
- Mamadou Lamine Doumbia**, University of Quebec at Trois-Rivieres (CA)
- Ayman M. EL-Refaei**, GE Global Research Center (NY, USA)
- Chen Hao**, China University of Mining & Technology (CN)
- Grzegorz Iwanski**, Warsaw University of Technology (PL)
- James L. Kirtley**, MIT (MA, USA)
- Włodzimierz Koczara**, Warsaw University of Technology (PL)
- Philippe Lataire**, Vrije Universiteit Brussel (BE)
- Elena A. Lomonova**, Eindhoven University of Technology (NL)
- Nobumasa Matsui**, University of Nagasaki (JP)
- Mohamed R. Mekideche**, University of Jijel (DZ)
- Rosario Miceli**, University of Palermo (IT)
- Grzegorz Ombach**, Brose Fahrzeugteile GmbH & Co. (D)
- Mircea M. Radulescu**, Technical University of Cluj-Napoca (RO)
- Alfred Rufer**, EPFL (CH)
- Jianxin Shen**, Zhejiang University (CN)
- Julianne Souldard**, Royal Institute of Technology (SE)
- Robert Stussi**, APVE/AVERE (PT)
- Zhenming Zhao**, Tsinghua University (CN)
- Zi Q. Zhu**, University of Sheffield (UK)

### PLENARY SESSION SPEAKERS



► **PROFESSOR ZI-QIANG ZHU**  
University of Sheffield, UK

Title of the Presentation:  
**Electrical Machines and Power Electronics for Wind Power Generation Application**



► **PROFESSOR NICOLA BIANCHI**  
University of Padova, Italy

Title of the Presentation:  
**Design Considerations of Permanent Magnet Machines for Automotive Application**

### SUBMISSION

Authors wishing to contribute to EVER'2011 are kindly invited to submit a comprehensive abstract of two to three A4 pages, one-column format, including author name(s), mailing address, e-mail address and the preferred topic (to be selected from the provided list of topics). The abstract should summarize the content of the full paper, indicating its aim, original contribution, results and references.

The conference language is English. Submissions should be done through the conference website considering the following link:  
[http://conference.evermonaco.com/ever-conference\\_uk/submission.php](http://conference.evermonaco.com/ever-conference_uk/submission.php)

Authors of provisionally accepted papers will be requested to submit their full papers via the conference website. Final acceptance will be based on full papers. The preferred format of both abstract and full paper files is PDF. MS-Word files are also acceptable. A paper will be included in the conference CD-ROM proceedings only after receipt of the registration fee of one of the authors in due terms.

Authors wishing to organize a special session on a typical topic related to the conference ones are invited to contact the conference secretariat:  
[contact@mc2d.org](mailto:contact@mc2d.org)

Free registration and accommodation fees are offered to special session organizers.

Authors of best presented papers will have the opportunity to publish extended and improved versions of their papers in special issues of:

- COMPEL (Inter. Journal for Computation and Mathematics in Electrical and Electronic Engineering),
- TSSD (Transactions on Systems, Signals and Devices: Issues on Power Electrical Systems),
- ELECTROMOTION.

Awards, sponsored by the Foundation of Prince Albert II of Monaco [www.fpa2.com](http://www.fpa2.com) will be offered to the:

- the best paper presented in sessions on ecological vehicles (EV),
- the best paper presented in sessions on renewable energies (RE),
- the best paper presented in sessions on topics shared by both RE and EV (REV),
- the best student paper presented in sessions on EV,
- the best student paper presented in sessions on RE,
- the best student paper presented in sessions on REV,
- the best special session on EV,
- the best special session on RE,
- the best special session on REV.



### IMPORTANT DATES

- **NOVEMBER 26, 2010**  
submission of extended abstracts
- **DECEMBER 17, 2010**  
notification of provisional acceptances
- **JANUARY 14, 2011**  
reception of full papers
- **JANUARY 28, 2011**  
notification of final acceptances



### CONFERENCE SECRETARIAT

**Ariane Favaloro**  
MCD2  
Le Patio Palace  
41, Avenue Hector Otto  
98000 Monaco  
[contact@mc2d.org](mailto:contact@mc2d.org)  
Tel: (+377) 97 77 54 21  
Fax: (+377) 97 77 54 22

### WELCOME TO MONACO

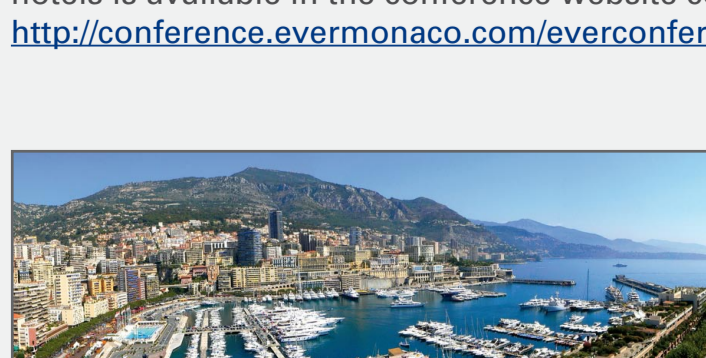
The principality of Monaco with its famous rock located between France and the Mediterranean Sea is one of the most beautiful small countries worldwide. Thanks to its 300 days of sunshine a year, Monaco's vocation is to be a land of welcome. The end of March period is characterized by a wonderful spring weather during which the temperature is quite pleasant, ranging from 18 and 23°C. Sightseeing along the fascinating garden port, relaxing in front of the beautiful beaches and visiting the prestigious museums make Monaco a dream destination which is easily accessed from all over the world through the Nice Côte d'Azur Airport.

### CONFERENCE VENUE

The conference and exhibition will be held in the Grimaldi Forum which is a suitable conference centre. It has a fascinating location on the Mediterranean Sea in the centre of Monte-Carlo and in the vicinity of many luxury hotels. Further information about the Grimaldi Forum is provided in the following website:  
[www.grimaldiforum.com](http://www.grimaldiforum.com)

### ACCOMMODATION

In Monaco, there are more than 2500 rooms distributed in various categories of hotels. Giving the high number of tourists, EVER'2011 will secure up to 300 rooms for participants at special rates and in three categories. The list of concerned hotels is available in the conference website considering the following link:  
[http://conference.evermonaco.com/everconference\\_uk/accommodation.php](http://conference.evermonaco.com/everconference_uk/accommodation.php)



### SOCIAL PROGRAM

- Many social events are scheduled during EVER'2011. Of particular interest are:
- A ride & drive program: an opportunity to experience ecological vehicles,
  - The Sixth Rallye Monte-Carlo Fuel Cell & Hybrid, starting from Switzerland,
  - A parade in Monaco,
  - A spouse program consisting of guided tours around Monaco.