

## Monaco Sustainable Development (MC2D) organizes the Thirteenth International Conference on Ecological Vehicles & Renewable Energies

EVER2018, April 10-12, 2018, Monte-Carlo (Monaco)

<http://conference.evermonaco.com/>

with the technical co-sponsorship of the IEEE



General Chairman: **Bernard Fautrier**  
Plenipotentiary Minister (MC)

### Program Committee

Chairman: **Ahmed Masmoudi**  
Director of the RELEV (TN)  
Co-Chairman: **Raoul Viora**  
President of MC2D (MC)

**Luigi Alberti**  
University of Padova (IT)

**Hamid Ben Ahmed**  
SATIE (FR)

**Nicola Bianchi**  
University of Padova (IT)

**Frede Blaabjerg**  
Aalborg University (DK)

**Ion Boldea**  
Timisoara Politehnica University (RO)

**Wolf-Rüdiger Canders**  
Technical University Braunschweig (D)

**Brayima Dakyo**  
University of Le Havre (FR)

**Frans Dijkhuizen**  
ABB Corporate Research (SE)

**Mamadou Lamine Doumbia**  
University Quebec Trois-Rivieres (CA)

**Ayman M. El-Refaie**  
GE Global Research Center (USA)

**Kay Hameyer**  
RWTH-Aachen (D)

**Michel Hecquet**  
Ecole Centrale of Lille (FR)

**Markus Henke**  
Technical University Braunschweig (D)

**Dan M. Ionel**  
Vestas and Marquette University (USA)

**Grzegorz Iwanski**  
Warsaw University of Technology (PL)

**Makoto Iwasaki**  
Nagoya Institute of Technology (JP)

**Włodzimierz Koczara**  
Warsaw University of Technology (PL)

**Thomas A. Lipo**  
University of Wisconsin-Madison (USA)

**Blake Lloyd**  
Iris Power (CA)

**Elena A. Lomonova**  
Eindhoven University Technology (NL)

**Zaatar Makni**  
Valeo (FR)

**Fabrizio Marignetti**  
University of Cassino (IT)

**Luis Martínez-Salamero**  
Universitat Rovira i Virgili (SP)

**Rosario Miceli**  
University of Palermo (IT)

**Grzegorz Ombach**  
Qualcomm CDMA GmbH (D)

**Hiroyuki Ohsaki**  
Tokyo University (JP)

**Johannes J.H. Paulides**  
Eindhoven University Technology (NL)

**Frank Rinderknecht**  
German Aerospace Center (D)

**Renato Rizzo**  
University of Naples Federico II (IT)

**Tamas Ruzsanyi**  
Ganz-Skoda Electric Ltd. (HU)

**Michael Schier**  
German Aerospace Center (D)

**Eva Schüpbach**  
Bern University Applied Sciences (CH)

**Jianxin Shen**  
Zhejiang University (CN)

**Jan Sykulski**  
University of Southampton (UK)

**Junji Tamura**  
Kitami Institute of Technology (JP)

**Elisabetta Tedeschi**  
University Science & Technology (NO)

**Alberto Tessarolo**  
University of Trieste (IT)

**Zi Q. Zhu**  
University of Sheffield (UK)

**Venue** EVER2018 will be hosted by the principality of Monaco. Located between the Mediterranean, France and Italy, Monaco is one of the smallest countries worldwide but is definitely the largest by its commitment facing the global warming and boosting the sustainable development. The conference will be held in the prestigious Grimaldi Forum congress center.

**Aims and Scope** EVER2018 is intended to be a forum of specialists coming from universities as well as from industries, involved in R&D projects aimed at ecological vehicles or renewable energies or both. EVER2018 will be an opportunity to share their scientific, technical, business and social experiences with other attendees.

**Topics** EVER2018 covers topics related to ecological vehicles (EV), those linked to renewable energies (RE) and those shared by both (REV), including (but not limited to) the following:

#### EV1: Ecological Vehicles

- a: Passenger cars
- b: Heavy and light duty vehicles
- c: Railway and MAGLEV vehicles
- d: Two- and three-wheel vehicles
- e: Marine and aerospace vehicles

#### EV2: Ecological Propulsion Systems

- a: Electric propulsion systems
- b: Hybrid propulsion systems
- c: Plug-in hybrid propulsion systems
- d: Clean thermal propulsion systems
- e: Range extender

#### EV3: Traction Drives and Generators

- a: Electric machine design, sizing and optimization
- b: Static converter design, analysis and control
- c: Variable speed drives modeling and control
- d: Automotive generators and regenerative braking
- e: Monitoring, diagnostics, and reconfiguration

#### EV4: Ecological Power Supplies

- a: Batteries design, modeling, and characterization
- b: Conductive charging infrastructure
- c: Inductive charging infrastructure
- d: Fuel cells and hydrogen infrastructure
- e: Ultracapacitors

#### REV1: Environment Impacts

- a: Greenhouse gas emission reduction policies
- b: Life cycle prediction and analysis
- c: Working towards an energy efficient environment

#### REV2: Marketing and Economical Impacts

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

#### RE1: Wind Energy Systems

- a: Wind turbine Technology
- b: Gear and gearless wind generating systems
- c: Dedicated control strategies
- d: Wind farms and energy management
- e: Interfacing to the grid and GCRs

#### RE2: Solar Energy Systems

- a: Photovoltaic cell design and optimization
- b: Photovoltaic panels and associated converters
- c: MPPT strategies
- d: Solar water pumping, heating and desalination
- e: Solar refrigeration

#### RE3: Emergent Renewables and Smart Grids

- a: Wave and tidal energy systems
- b: Hybrid renewable energy systems
- c: Smart grids and energy management policies
- d: On- and offshore renewable energy systems
- e: Geothermal energy systems

#### RE4: Efficient Energy Management in Buildings

- a: Green buildings
- b: Building energy efficiency improvement strategies
- c: Networked energy aware white-goods
- d: ICT applied to sustainable buildings
- e: Smart homes

#### REV3: Education

- a: National and youth programs
- b: Public education, policies, and facilities
- c: Shared sustainable mobility

#### REV4: Standards and Regulation

- a: Standardization
- b: Recycling
- c: Safety

**Submission** Prospective authors are invited to submit their extended abstracts of two to three A4 pages, written in English in a single column format. Abstracts should be submitted via the conference manuscript central accessible through the link: <http://cfp2.evermonaco.com/>

### Deadlines

<b>November 3, 2017</b>	<b>Abstract submission</b>
<b>December 8, 2017</b>	<b>Provisional acceptance</b>
<b>January 5, 2018</b>	<b>Full paper submission</b>
<b>February 2, 2018</b>	<b>Final acceptance</b>

