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## Monaco Sustainable Development (MC2D) organizes the Fifteenth International Conference on Ecological Vehicles & Renewable Energies EVER2020, May 28-30, 2020, Monaco, <http://conference.evermonaco.com/> with the technical co-sponsorship of the IEEE

**Venue** EVER2020 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** EVER2020 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. EVER2020 will be an opportunity to share their scientific, technical, business and social experiences with other attendees.

**Topics** EVER2020 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: EV and HEV Power Supply

- a: Grid-to-vehicle concepts
- b: Conductive/inductive charging infrastructure
- c: Batteries design, modeling, and characterization
- d: Fuel cells and hydrogen infrastructure
- e: Ultracapacitors and hybrid power supplies

### 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: Wind generating systems 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: Interfacing to the grid
- d: MPPT strategies
- e: Solar water pumping, heating and desalination

### RE3: Emergent Renewables and Smart Grids

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

### 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 15, 2019</b>	<b>Abstract submission</b>
<b>December 20, 2019</b>	<b>Provisional acceptance</b>
<b>February 28, 2020</b>	<b>Full paper submission</b>
<b>March 20, 2020</b>	<b>Final acceptance</b>

