



**Fifteenth International Conference on
Ecological Vehicles and Renewable Energies
EVER2020, May 28-30, 2020, Monte-Carlo (Monaco)**

**Piezoelectric Harvesters for Ecological Vehicles
and Green Buildings**

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Thematic: In recent years there has been a great development of energy harvesting technologies based on piezoelectric devices. Nowadays piezoelectric vibration energy harvesters are chiefly installed in critical and expensive equipment. Applications include monitoring of industrial plants and large civil infrastructures (bridges, tunnels), damage detection in critical components of airplanes and helicopters, networks of sensors for security. The applications of piezoelectric harvesters to simpler machines and equipment used in everyday life are less common. Nevertheless, there are many sources of vibrations in houses, domestic appliances, light vehicles (bicycles, mopeds) end in sport equipment. In some cases, like buildings in remote areas and sport equipment used outdoor (small boats, ski), energy from vibrations, solar and wind energy are the only possible sources.

This special session will focus on the application of piezoelectric harvesters in the fields of ecologic vehicles and buildings and will be an opportunity for specialists coming from academia and industry to share their experiences and ideas.

Topics of interest include, but are not limited to:

- Harvester modeling and simulation,
- Testing of harvesters,
- Sources of vibrations in ecological vehicles and buildings,
- Raindrop harvesting,
- Harvesters for small vehicles and bicycles,
- Harvesters for building components,
- Harvesters for sport equipment,
- Piezoelectric materials.

Submission: Prospective authors are invited to submit comprehensive abstracts of three A4 pages each, written in English. Abstracts should be sent by e-mail to: alberto.doria@unipd.it

Important Dates:	October 4, 2019	submission of abstracts
	December 6, 2019	notification of provisional acceptances
	February 7, 2020	submission of full papers
	March 20, 2020	notification of final acceptances