

Annual Conference of the IEEE Industrial Electronics Society (IECON 2022)

Special Session on

**“Conductive and wireless powering and battery charging
technologies for electric mobility”**

Organized by

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Call for Papers

Theme:

The rapid diffusion of electric vehicles is pushing the world of research and industry to find solutions for the development of battery charging technologies with increasingly high power, but which are also extremely efficient, safe, and reliable.

Alongside systems dedicated to stationary vehicle charging, considerable effort is being put into the development of systems to power moving vehicles based on both wireless and conductive technologies. These systems aim at overcoming the range anxiety on long distances in private mobility but also aim at reducing the size of the battery pack otherwise required for heavy electric vehicles both in, whether these are dedicated to the transport of goods or people.

Topics of interest include, but are not limited to:

1	Fast and ultra-fast battery charging systems
2	Isolated DC/DC power converters
3	Public and private heavy-duty road transport electrification
4	Wireless inductive and capacitive power transfer
5	Conductive in-motion charge
6	Power electronic converters for electric vehicles battery charging
7	Management of electric vehicles charging

Good quality papers may be considered for publication in the IEEE Trans. on Industrial Electronics, subject to further rounds of review.

Sponsoring IES Technical Committee(s):

IEEE IES Technical Committee on **Power Electronics** <https://petc.ieee-ies.org/>

Submissions Procedure:

All the instructions for paper submission are included in the conference website: <https://iecon2022.org/>

Deadlines:

Full paper submission:	April 15, 2022
Paper acceptance notification:	June 17, 2022
Camera-ready paper submission:	July 29, 2022