



Alumni Association of University of Cassino and Southern Lazio (ALACLAM - Italy) organizes the **2022 Second International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART)** November 23-25, 2022, <http://smart-conf.com>



THIRD CALL FOR PAPERS

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Venue

Accounting for the sanitary crisis caused by COVID 19 which may not be reduced to nothing before 2023, it has been decided to organize SAMRT'22 remotely.

Aims and Scope

SMART'22 is intended to be a forum of specialists coming from academia and industry involved in R&D projects boosting the sustainable development with emphasis on mobility, energy, buildings and more general smart cities. SMART'22 will be an opportunity for them to share their scientific, technical, business and social experiences.

Topics

SMART'22 covers topics dealing with the sustainable mobility (SM), those dedicated to renewable energies (RE), those allied to green buildings and industrial plan and processes (GBI), and those shared by these topics (ST), including (but not limited to) the following:

SM1: EVs, HEVs, PHEVs, and MHEVs powertrain design and energy management strategies.

SM2: electric drivetrain component design, sizing, optimization, modeling, identification, and control.

SM3: EVs and PHEVs charging, conductive/inductive charging, V2G strategies, battery performance assessment, fuel cells and hydrogen infrastructure, ultracapacitors, hybrid power supply.

SM4: autonomous vehicles, intelligent guidance, localisation and mapping, robust perception, safety assessment.

RE1: wind energy assessment, wind generating systems design and control, grid interfacing, GCRs, onshore/offshore systems.

RE2: PV topologies optimization, grid interfacing, MPPT, water pumping, heating and desalination.

RE3: marine energies, geothermal energy, biomass, smart grid, hybridization.

GBI1: green architecture, sustainable construction materials and process, integration of renewables, water supply.

GBI2: indoor environmental quality enhancement, ICT applied to green buildings, smart homes.

GBI3: energy efficiency improvement of industrial plants and processes, decarbonization challenges, sustainable industry 4.0.

ST1: greenhouse gas emission reduction policies, life cycle prediction and analysis, economic benefits, employment.

ST2: national and youth programs, public education, codes and standards, maintenance, recycling, waste treatment.

Submission

Prospective authors are invited to submit their extended abstracts fulfilling the requirements given in the **Author Guidelines** window of the website, and taking into account the following deadlines:

July 15, 2022

September 9, 2022

October 7, 2022

October 28, 2022

Abstract submission

Provisional acceptance

Full paper submission

Final acceptance

Submissions should be done via the conference manuscript central available in the link: <http://smart-conf-manuscriptcentral>