

Special Issue on
**Microgenerators and CHP Technologies for Primary
Energy and Emission Savings**

CALL FOR PAPERS

Innovative and small scale prime movers for electricity and/or combined heat and power (CHP) production are currently under attention in many developed countries, in order to locally fulfil domestic and tertiary users energy demand, reducing, at the same time, access to the external net and limiting pollutant emissions.

Prime mover prototypes and first industrial realizations in the range of sizes up to few tens of kW are currently covering a small niche, interesting to be explored. Different recent studies show the large market potential for various cutting edge prime mover technologies, even if standardized and consolidated industrial solutions have not been achieved yet.

Moreover, small scale energy generators can be easily coupled with renewable fuels and with waste heat recovery systems, exploiting also low/medium enthalpy thermal sources.

The current barriers to a further development of such solutions will be probably solved in the near future, if both technical and economic performance of small generators will be improved. New opportunities for micro- and CHP generators are open in the energy market of stationary applications.

We invite investigators from both academia and industry sides to contribute original research articles as well as review articles on up-to-date and innovative solutions, experimental or theoretical investigations, and remaining issues related with micro/small energy generators.

Potential topics include but are not limited to the following:

- ▶ CHP energy systems
- ▶ Microgenerators technologies: Stirling engines, microturbines, fuel cells, and so forth
- ▶ Small heat recovery systems and prototypes
- ▶ Experimental activities on prime movers
- ▶ Modelling of prime movers within energy networks
- ▶ Applications of cogeneration
- ▶ Environmental benefits and issues related with small generators
- ▶ Technoeconomic feasibility analysis on distributed generators
- ▶ Renewable energy based microgenerators

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijrm/mgtp/>.

Lead Guest Editor

Andrea De Pascale, University of Bologna, Bologna, Italy
andrea.depascale@unibo.it

Guest Editors

Francesco Baldi, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland
francesco.baldi@epfl.ch

Francesco Melino, University of Bologna, Bologna, Italy
francesco.melino@unibo.it

Manuscript Due

Friday, 28 July 2017

First Round of Reviews

Friday, 20 October 2017

Publication Date

Friday, 15 December 2017