

## Special Issue

# Ground Source Heat Pumps as Efficient and Sustainable Systems in Buildings

### Message from the Guest Editors

This Special Issue is seeking papers on the entire ground-source heat pump system: ground heat exchangers, heat pump technology and new refrigerant fluids, open and closed loops, direct and indirect systems, hybrid systems, optimization of the system performance, system simulations, GSHPs integrated with other renewable energy (solar collectors, hybrid thermo-photovoltaic panels, air-to-water heat pumps, etc.), retrofitting of GSHPs, thermal response tests, design, equipment, control strategies, case studies, field measurements, etc. Keywords:

- Ground source heat pump (GSHP) systems
- ground-loop heat exchanger models
- ground heat transfer
- hybrid ground source heat pump systems
- thermal response tests
- system simulations

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### Guest Editors

Dr. Angelo Zarrella

Department of Industrial Engineering (DII), Università di Padova, Via Venezia, 1, 35131 Padova, Italy

Dr. Giuseppe Emmi

Department of Industrial Engineering, Applied Physics Section, University of Padova, Via Venezia 1, 35131 Padova, Italy

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### Deadline for manuscript submissions

closed (31 December 2020)



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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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