# Special Issue

# Design and Optimization of Advanced Energy Systems in Nearly Zero Energy Buildings

## Message from the Guest Editors

Calculations of building energy performances are formally required to verify national minimum energy performance requirements on nearly zero energy buildings (nZEBs) within the legal procedure of obtaining building permit and issuing building energy performance certificate. An assessment of nZEB energy performance imposes detailed dynamic calculations, comprising building elements and technical systems. Low energy consumption requirements entail application of passive building design and alternative technical systems harnessing renewable energy, which altogether makes calculations even more complex. The final aim is optimization of nZEB design. However, there is a lack of experience and knowledge in this field among both designers and scientific community. Therefore, we invite original papers to this Special issue to contribute enhancing knowledge and skills in design and optimization of nZEBs.

## Guest Editors

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## Deadline for manuscript submissions

closed (30 June 2022)

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# About the Journal

## 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.

## Editor-in-Chief

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