



Energy Efficiency in Buildings and Innovative Materials for Building Construction

Guest Editors:

Prof. Cristina Cornaro

Dipartimento di Ingegneria
dell'Impresa, University of Rome
Tor Vergata, via del Politecnico 1-
00133, Rome, Italy

cornaro@uniroma2.it

Prof. Cinzia Buratti

Dipartimento di Ingegneria,
University of Perugia, via G.
Duranti 67–06125 Perugia, Italy

cinzia.buratti@unipg.it

Deadline for manuscript
submissions:

31 May 2019

Message from the Guest Editors

Dear Colleagues,

The main topics of the Issue will be regarding energy efficiency in buildings and the use of innovative materials for design and retrofit to pursue the goal. In developed countries, energy consumption in buildings comprises 20%–40% of the total energy use, and is above industry and transport in EU and USA. For this reason, energy efficiency strategies have become a priority in energy policies, with new regulations and certification schemes, including minimum requirements. This could be allowed by means of different approaches, among which energy saving in buildings will be essential in order to make a sustainable energy future possible.

The following are some of the topics proposed for this Special Issue (but not limited to):

- Retrofit of buildings for energy efficiency
- Control and management of buildings for energy efficiency and thermal comfort (model predictive control)
- Innovative materials for building construction
- Green and sustainable materials for buildings
- New efficient and sustainable buildings
- Historical buildings conservation, energy management, and comfort

