



Sustainable Design for Zero Carbon Buildings

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Message from the Guest Editor

The United Nations Intergovernmental Panel on Climate Change has established that global warming is likely to reach 1.5 °C or higher, above the pre-industrial levels, between years 2030 and 2052, due to greenhouse gas emissions. Impacts of such global temperature rise will be the increase in land and ocean temperatures, hot extremes, excessive rainfall and excessive droughts, and many other large scale events that can threaten our wellbeing and the sustainability of our planet. As nearly 30% of global emissions come from buildings, making zero emissions buildings is of paramount importance. Due to the building lifetime extending over several decades and the need to get emissions under control before year 2050, construction of any other buildings than zero carbon buildings would be seen as irresponsible.

Researchers, designers, developers and policy makers have significant opportunities and responsibilities to make a difference for our planet and our wellbeing, and we invite you to take part in helping materialise these opportunities and responsibilities.





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Message from the Editor-in-Chief

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