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Advanced Environmental Controls for High-Performance Buildings and Sustainability

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Deadline for manuscript submissions:
closed (10 June 2021)

Message from the Guest Editors

Dear Colleagues,

Building performance has been significantly impressed for the importance of occupant environmental comfort and wellbeing, as well as environmental sustainability. To accomplish these functional needs, many building technologies have recently emerged in multiple domains, such as environmental controls, building design, and energy-efficient systems. However, in spite of many (system) design and technical efforts to improve building performance, the uncertainty of existing mechanisms, such as pre-defined computational modeling and conventional guidelines, has frequently resulted in lower performance efficiency than intended. As a consequence, occupants' environmental discomfort and stress, and inefficient environmental performance have been frequently witnessed. Therefore, novel and creative research is desired toward advancing environmental control paradigm as a function of multi-disciplinary expert knowledge across engineering, design, and human physiology...

Prof. Dr. Joon-Ho Choi
Prof. Ongun Berk Kazanci
Guest Editors

mdpi.com/si/35831

Special Issue

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Message from the Editor-in-Chief

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Journal Rank: CiteScore - Q1 (Control and Optimization)

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