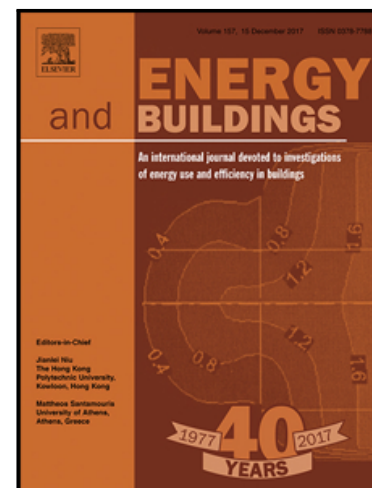


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CONTROL OF ELECTRICALLY HEATED FLOOR FOR BUILDING LOAD MANAGEMENT: A SIMPLIFIED SELF-LEARNING PREDICTIVE CONTROL APPROACH

Hélène THIEBLEMONT , Fariborz HAGHIGHAT , Alain MOREAU , Gino LACROIX

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HIGHLIGHTS

- A simplified predictive self-learning controller for reduction of energy demand during peak periods
- Controller strategy does not need building model and use available weather conditions
- Performance of developed strategy was applied to two types of residential buildings
- Energy consumption, thermal comfort, and cost for the supplier and the customer were analyzed

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