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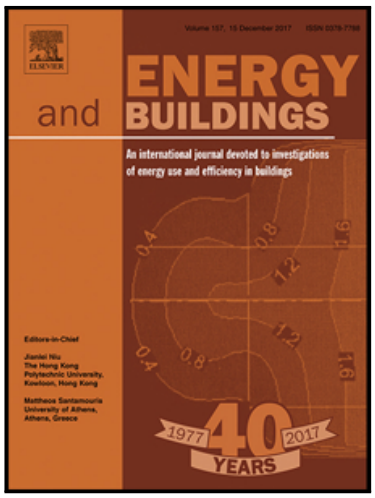

Detection of occupant actions in buildings through change point analysis of in-situ measurements

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Highlights:

- The Change Point Analysis was applied in the detection of occupant actions in residential buildings;
- Occupant action detection based on indoor environment data is enabled;
- Accuracy reached 97% in detecting window opening, 97% in showering, 100% in heating and 85% in cooking.

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