Accepted Manuscript

Title: Energy-efficient control of under-actuated HVAC zones in commercial buildings

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PII: S0378-7788(15)00068-7

DOI: http://dx.doi.org/doi:10.1016/j.enbuild.2015.01.050

Reference: ENB 5655

To appear in: *ENB*

Received date: 25-7-2014 Revised date: 21-1-2015 Accepted date: 22-1-2015

Please cite this article as: Jonathan Brooks, Saket Kumar, Siddharth Goyal, Rahul Subramany, Prabir Barooah, Energy-efficient control of underactuated HVAC zones in commercial buildings, *Energy & Buildings* (2015), http://dx.doi.org/10.1016/j.enbuild.2015.01.050

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ACCEPTED MANUSCRIPT

- We examine energy-efficient control of HVAC zones consisting of multiple rooms.
- We propose an energy-efficient control algorithm to maintain thermal comfort for such zones.
- We present a method to obtain a baseline for comparisons.
- We present the results of a weeklong experiment in a real commercial building.
- Energy consumption was significantly reduced while increasing thermal comfort.

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