

Accepted Manuscript

Evaluation on classroom thermal comfort and energy performance of passive school building by optimizing HVAC control systems

Yang Wang, Jens Kuckelkorn, Fu-Yun Zhao, Di Liu, Alexander Kirschbaum, Jun-Liang Zhang



PII: S0360-1323(15)00080-3

DOI: [10.1016/j.buildenv.2015.02.023](https://doi.org/10.1016/j.buildenv.2015.02.023)

Reference: BAE 4003

To appear in: *Building and Environment*

Received Date: 21 November 2014

Revised Date: 30 January 2015

Accepted Date: 18 February 2015

Please cite this article as: Wang Y, Kuckelkorn J, Zhao F-Y, Liu D, Kirschbaum A, Zhang J-L, Evaluation on classroom thermal comfort and energy performance of passive school building by optimizing HVAC control systems, *Building and Environment* (2015), doi: 10.1016/j.buildenv.2015.02.023.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Revised manuscript written by Wang, Kuckelkorn, Zhao, Liu, Kirschbaum & Zhang

Evaluation on classroom thermal comfort and energy performance of passive school building by optimizing HVAC control systems

Yang Wang^{a,b1}, Jens Kuckelkorn^a, Fu-Yun Zhao^c, Di Liu^d, Alexander Kirschbaum^a, Jun-Liang Zhang^e

- a) Division of Technology for Energy Systems and Renewable Energy, Bavarian Center for Applied Energy Research, 85748, Garching, Munich, Germany
- b) Institute for Energy Systems, Faculty of Mechanical Engineering, Technical University Munich, 85748, Garching, Munich, Germany
- c) School of Power and Mechanical Engineering, Wuhan University, 430072, Wuhan, Hubei Province, P. R. China
- d) Department of Building Service Engineering, The Hong Kong Polytechnic University, Hong Hum, Kowloon, Hong Kong, P. R. China
- e) College of Mechanical and Electrical Engineering, Dezhou University, 253023, Dezhou, Shandong Province, P. R. China

¹ Author to whom correspondence should be addressed.

Address: Division of Technology for Energy Systems and Renewable Energy, Bavarian Center for Applied Energy Research, Walther-Meissner-Str. 6, 85748, Munich, Bavaria, Germany

Contact: Tel.: +49 89 32944253; Fax: +49 89 32944212;
wanghongyang1767@gmail.com, wang@muc.zae-bayern.de (**Yang Wang**)

Download English Version:

<https://daneshyari.com/en/article/6699945>

Download Persian Version:

<https://daneshyari.com/article/6699945>

[Daneshyari.com](https://daneshyari.com)