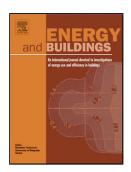
#### Accepted Manuscript

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Author: Kana Horikiri Yufeng Yao Jun Yao



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## ACCEPTED MANUSCRIPT

## 'Numerical optimisation of thermal comfort improvement for indoor environment with occupants and furniture' by K Horikiri, YF Yao and J Yao

#### Research Highlights:

- CFD study of indoor thermal comfort of a model room with heat source, furniture and occupants.
- Correlations between heat generation, ventilation velocity and thermal sensation indices (PPD-PMV).
- Sensitivity of location of occupant to flow path and its impact on thermal comfort distributions.
- Thermal comfort optimisation for single and multiple occupants by varying heat generation and flow ventilation velocity.



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