Best Paper Award 2020

Gang Tan (✉)

Associate Editor/ Chair of the Best Paper Award Committee

Department of Civil and Architectural Engineering, University of Wyoming, Laramie, WY 82071, USA

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I am pleased to announce that the following paper has been awarded the **Best Review Paper 2020**, which stands out from the review papers published by *Building Simulation* from 2016 (Volume 9) to 2020 (Volume 13):

- Bert Blocken. “LES over RANS in building simulation for outdoor and indoor applications: A foregone conclusion?” *Building Simulation*, 2018, 11(5): 821–870.

The following two papers have been awarded the **Best Research Paper 2020**, which stand out from the research papers published by *Building Simulation* in 2020 (Volume 13):

- Mingyang Qian, Da Yan, Jingjing An, Tianzhen Hong, Jeffrey D Spitler. “Evaluation of thermal imbalance of ground source heat pump systems in residential buildings in China” *Building Simulation*, 2020, 13(3): 585–598.
- Hui Dai, Bin Zhao. “Association of the infection probability of COVID-19 with ventilation rates in confined spaces” *Building Simulation*, 2020, 13(6): 1321–1327.

In the review paper, Professor Bert Blocken presented a critical discussion including perspectives on the future of large eddy simulation (LES) and Reynolds-averaged Navier-Stokes (RANS) and thus this review paper provided valuable insights for building simulation (Blocken 2018). Professor Da Yan et al. conducted a comprehensive analysis of ground source heat pump (GSHP) application potentials under different climate conditions (Qian et al. 2020). The thermal imbalance ratio proposed in this article is a critical indicator to evaluate GSHP systems’ performance. Professor Bin Zhao et al.

investigated the relationship between the infection probability of COVID-19 and the ventilation rate in confined spaces applying the classical Wells-Riley model, presenting an important and timely reference for the realistic preventive measures of COVID-19 (Dai and Zhao 2020).

I would like to give my sincere thanks to the replies from the Journal’s editorial board members to nominate the Best Research Paper Award. Meanwhile, I also give my special thanks to the members of the Best Paper Award Committee: Dr. Jinqing Peng, Dr. Xin Zhou and Dr. Chen Chen.

With distinct support of the Journal’s publisher, these award-receiving papers will be available for free access on the Journal’s website for 2 months.

Please visit the website of *Building Simulation*: <http://www.springer.com/journal/12273>.

References

- Blocken B (2018). LES over RANS in building simulation for outdoor and indoor applications: A foregone conclusion? *Building Simulation*, 11: 821–870.
- Dai H, Zhao B (2020). Association of the infection probability of COVID-19 with ventilation rates in confined spaces. *Building Simulation*, 13: 1321–1327.
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