

**Quan Jin**, *Senior researcher, Docent*

*Sustainable Building Research Group  
Building Technology Division  
Dept. Architecture and Civil Engineering  
SE-412 96 Göteborg, Sweden  
Phone: +46 (0)31 772 8071 E-mail: [quan.jin@chalmers.se](mailto:quan.jin@chalmers.se)*



**CHALMERS**  
UNIVERSITY OF TECHNOLOGY

## **Educations**

- Dr. Eng.: April 2013, Civil and Environmental Engineering, Dalian University of Technology, China, “Thermal comfort in transient and non-uniform thermal environment in energy efficient buildings”.
- Ph.D. visiting scholar: January 2011, Center for the Built Environment, University of California, Berkeley, USA, “Virtual Thermal Comfort Engineering in laboratory study”.
- B. Eng: June 2005, Heating, ventilation and air conditioning, Harbin Institute of Technology, China,

## **Current position**

- Nov. 2020 - present, Senior researcher at Chalmers University of Technology, Department of Civil and Environmental Engineering, Division of Building Technology, Sustainable Building Research Group

## **Previous employment**

- Aug.2017 - Oct. 2020, Researcher at Chalmers University of Technology, Division of Building Technology, Sustainable Building Research Group
- Aug.2015 - Jul.2017, Postdoctoral researcher at Chalmers University of Technology, Division of Building Technology, Sustainable Building Research Group
- Jan. 2013 - Jan. 2015, Senior scientist at VTT Technical Research Centre of Finland, Energy Efficient Building and District group

## **Postdoctoral and Visiting researcher visits**

- Feb.2015 - May. 2015, Postdoc at KTH Royal University of Technology, Post-doctoral researcher at Division of Fluid and Climate Technology
- Sep.2014 - Dec.2014, Visiting researcher at Technical University of Denmark, International Centre for Indoor Environment and Energy

## **Awards and special commission:**

- The SCANVAC prize for Young Researcher 2019 (Scandinavian Federation of Heating, Ventilation and Sanitary Engineering Associations)
- 2018 Best Paper Award from journal Building and Environment: Development of the ASHRAE Global Thermal Comfort Database II, Volume 142 Pages 502-512
- Editorial Board member of peer-reviewed Journal of Intelligent Buildings International since 2020
- Elected Swedish Core Member in REHVA Technical and Research Committee since 2019
- Co-chair and coordinator of REHVA Task Force Indoor Climate Surveys and Investigation Procedures
- Commission member of International Council for Research and Innovation in Building and Construction CIB W098 since 2019
- Scientific committee member of Healthy buildings Europe 2021, Cold Climate 2021, Beyond 2020, Indoor Air 2020, CLIMA 2019, etc.

## **Selected Research Grants**

- 2021 “Energy performance and occupant satisfaction in green-certified office buildings”. Grants by Chalmers AoA Energy, main applicant and project leader.
- 2019 - 2022 Occupant well-being and productivity in sustainable office buildings: A multidisciplinary study on the key factors of indoor environmental quality. Grants by the Swedish Research Council FORMAS, main applicant and project leader.
- 2019 “Users’ impact on domestic energy consumption”. Grants by Chalmers AoA Energy, main applicant and project leader.

### Other Selected Projects

- 2018 - 2021 Furbish Sustainable Hospitals. Grants by Swedish Industrial Design Foundation, Furbish AB and Swedish Energy Agency.
- 2016 - 2018 Indoor Climate and Energy Performance in Office Buildings – A System-oriented Knowledge Synthesis. Grants by Energimyndigheten, Swedish Energy Agency.
- 2015 - 2017 Smart and Sustainable Offices of Building Technologies Accelerator (BTA) Flagship. Grants by EU through Climate-KIC.

### Selected Publications

- [J1] F.C. Ličina, T. Cheung, H. Zhang, R. de Dear, T. Parkinson, E. Arens, ... X. Zhou. (2018) “Development of the ASHRAE Global Thermal Comfort Database II”. *Building and Environment*, 142, 502-512, 2018. (Best Paper Award 2018 by Elsevier)
- [J2] Q. Jin, H. Wallbaum, U. Rahe, M. Forooghi. (2019) “SSO User Insight Toolbox for employees’ health, well-being and productivity”. *REHVA Journal*, vol.6, pp. 58-63.
- [J3] Q. Jin, H. Wallbaum. (2020) “Improving indoor environmental quality (IEQ) for occupant health and well-being: A case study of Swedish office building”. *IOP Conf. Ser.: Earth Environ. Sci.*, 588 032072.
- [J4] W. O'Brien, F. Tahmasebi, R. K. Andersen, E. Azar, V. Barthelmes, Z. D. Belafi, ... J. Zhou. (2020) “An international review of occupant-related aspects of building energy codes and standards”. *Building and Environment*, 179: 1-18.
- [J5] R. Rawal, M. Schweiker, O. Kazanci, V. Vardhan, Q. Jin, L. Duanmu. (2020) “Personal Comfort Systems: A review on comfort, energy, and economics”. *Energy and Buildings*, 214: 1-27.
- [J6] A. Mahdavi, B. C. Berger, V. Bochukova. L. Bourikas, R.T. Hellwig, Q. Jin, A. L. Pisello, M. Schweiker. (2020) “Necessary Conditions for Multi-Domain Indoor Environmental Quality Standards”. *Sustainability*, 12, 8439.
- [J7] M. Schweiker, A.Z. Amar, M. André, F. Al-Atrash, H. Al-Khatri, R.R. Alprianti, ... Z. Sadat. (2019) “The Scales Project: a cross-national dataset on the interpretation of thermal perception scales”. *Scientific Data*, 6: 289.
- [J8] Q. Jin, A. Simone, B. W. Olesen, S. Holmberg. (2017) “Laboratory study of subjective perceptions to low-temperature heating systems with exhaust ventilation in Nordic countries”. *Science and Technology for the Built Environment*, 23(3): 457 - 468.
- [J9] A. C. Cobaleda, R. Ulrike, W. Holger, Q. Jin, M. Forooghi Melina. (2017) “Smart and Sustainable Offices (SSO): Showcasing a holistic approach to realize the next generation offices”. *Journal Informes de la Construcción*, 69(548), e211.
- [J10] Q. Jin, H. Wallbaum, T. Leiblein, T. Hofmann, M. Janser, L. Windlinger. (2016) “Assessments of indoor environmental quality on occupant satisfaction and physical parameters in office buildings”. *The 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016)*, Ghent, Belgium.