Rongling Li

PhD, Associate professor, DTU Civil and Mechanical Engineering, Denmark

Associate professor at DTU Civil and Mechanical Engineering, 2020 –

Board member of Horizon Europe Built4People Partnership, 2021 –

Operating agent of IEA EBC Annex 82 Energy flexible buildings towards resilient low carbon energy systems, 2021 – 2025

Honorary research fellow, Institute of Industrial Science, The University of Tokyo, 2021 – 2024

Member of the Coordination Committee for Smart Energy Systems DTU, 2020 –

Member of task force for Digitalization in Innovation, Research and Education, DTU, 2021–

Maternity leave, Sep 2020 – June 2021

Visiting scholar, Applied Mechanics and Energy Conversion Section, KU Leuven, 2019

Assistant professor, DTU Civil Engineering, 2018 – 2020

Postdoc, DTU Civil Engineering, 2017-2018

Postdoc, Eindhoven University of Technology, the Netherlands, 2014-2016

PhD candidate, Institute of Industrial Science, The University of Tokyo, Japan, 2011-2014

PhD Supervision: 7 completed, 2 ongoing, 2 planned, 2014 -

MSc/BSc thesis supervision: 28 completed, 2014 -

Member of assessment committee

- 13 PhD thesis evaluations for Eindhoven University of Technology, University College Dublin, Chalmers University of Technology, Norwegian University of Science and Technology, Polytechnic University of Turin, University of South Australia, and DTU, 2020 -
- 3 senior researcher/associate professor assessments for DTU, 2020 -

Invited speaker, at 10+ international workshops and seminars, 2021-

Projects

- EU SEEDS: Cost-effective and replicable RES-integrated electrified heating and cooling systems for improved energy efficiency and demand response, *Coordinator*, 2024-2027
- EU Green Deal ARV: Climate positive circular communities, *WP leader deputy*, 2022-2026
- IEA EBC Annex 89: Ways to implement net-zero whole life carbon buildings, 2023-2027
- SEM4Cities: Smart energy management systems for cities, *project manager*, 2021-2025
- EU H2020 COMBIOTES: Compact bio-based thermal energy storage for buildings, *WP leader deputy*, 2021-2024
- IEA EBC Annex 82: Energy flexible buildings towards resilient low carbon energy systems, *operating agent*, 2021-2025
- CITIES: Centre for IT-Intelligent Energy Systems in cities, *WP leader*, 2014-2020
- EnergyLab Nordhavn: New Urban Energy Infrastructures, *task leader*, 2015-2019
- Science Cloud for cities: International Infrastructure Integration of Danish Science Cloud for Smart Cities, 2017-2019
- IEA EBC Annex 67: Energy Flexible Buildings, *task leader*, 2016-2019

Teaching

- Building Performance Simulation
- Smart Cities
- High Performance Buildings
- Heat and Mass Transfer in Buildings
- Thermodynamics in Built Environment

Short bibliographic overview and representative publications

Scopus profile: H-index 20, articles 45 (2014-2023)

- R Li, et al. Ten questions concerning energy flexibility in buildings. *Building and Environment*, 2022
- J Real, C Rasmussen, R Li, et al. Characterisation of thermal energy dynamics of residential buildings with scarce data. *Energy and Buildings*, 2021
- C Finck, R Li & W Zeiler. Optimal control of demand flexibility under real-time pricing for heating systems in buildings: A real-life demonstration. *Applied Energy*, 2020
- M Christensen, R Li, P Pinson. Demand side management of heat in smart homes: Living-lab experiments. *Energy*, 2020
- K Foteinaki, R Li, et al. Heating system energy flexibility of low-energy residential buildings. *Energy and Buildings*, 2018
- H Cai, C Ziras, S You, R Li, et al. Demand side management in urban district heating networks. *Applied Energy*. 2018
- R Li, G Dane, C Finck and W Zeiler. Are building users prepared for energy flexible buildings?—A large-scale survey in the Netherlands. *Applied Energy*, 2017