

# 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 – 2026

**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, Sep 2023 – April 2024

**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, 4 planned, 2014 -

**MSc/BSc thesis supervision**: 28 completed, 2014 -

**Member of assessment committee**

- 14 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, Concordia University 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, *PI/Coordinator*, 2024-2027
- EU RETIME: Urban adaptation and alert solutions for a timely (re)action, *WP leader*, 2024-2028
- STAR\*track: Support and networks To Accelerate the construction and Renovation innovation track to market, 2024-27
- EU BIPED: Building intelligent positive energy districts, 2024-2027
- BEGONIA: Enabling the Internet of Energy and Optimized Transport through Cross-Border Digital Platforms, 2024-2026
- 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
- IFD 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
- EUDP 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 22, articles 49 (2014-2024)

- Developing energy flexibility in clusters of buildings: A critical analysis of barriers from planning to operation. *Energy and Buildings*, 2023
- Ten questions concerning energy flexibility in buildings. *Building and Environment*, 2022
- Characterisation of thermal energy dynamics of residential buildings with scarce data. *Energy and Buildings*, 2021
- Optimal control of demand flexibility under real-time pricing for heating systems in buildings: A real-life demonstration. *Applied Energy*, 2020
- Demand side management of heat in smart homes: Living-lab experiments. *Energy*, 2020