

NEGIN AALAMI

Energy Specialist | PhD, MSc, WELL AP

Academic Qualifications

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| • Post Doctoral Researcher University of Tehran, Iran | 2025 - 2026 |
| • PhD's Degree Energy and Architecture RMIT University, Australia | 2020 - 2024 |
| • Master's Degree Energy and Architecture University of Tehran, Iran | 2017 - 2019 |

Professional Experience

SESSIONAL LECTURER RMIT University, Melbourne, Australia	Jul. 2024 – Dec. 2025
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Courses:

- Statistics with SPSS & R (2024 – 2025).

Key Responsibilities:

- Developing and delivering workshop materials for undergraduate and postgraduate students.
- Collaborating with the workshop coordinator to plan lessons and organise activities.
- Providing individual or group support to students as needed.

DOCTORAL RESEARCHER RMIT University, Melbourne, Australia	Jun. 2020 – Mar 2024
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Research:

- Sustainable Urban Development for Low-Carbon Cities: Integrating UN Sustainable Development Goals and Australian Building Standard

Key Responsibilities:

- Conducted comprehensive research aligned with the centre's mission to drive sustainable building practices forward, focusing on integrating UN Sustainable Development Goals (SDGs) and carbon-neutral buildings.
- Skilfully managed concurrent deadlines across the integration of the WELL and NABERS standards project and the life cycle assessment of the renewable materials project.
- Engaged enthusiastically in diverse research activities, fostering a holistic understanding of occupant behaviour and building energy systems.

GRADUATE OF ARCHITECTURE Wood Marsh Architecture, Melbourne, Australia	Oct. 2019 — Jan. 2020
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Projects:

- Melbourne Northeast Link project

GRADUATE OF ARCHITECTURE Cox Architecture, Melbourne, Australia	Jul. 2019 — Oct. 2019
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Projects:

- MSQ Tower (Stage 2 includes Residential and Hotel)
- Wesley Place, 130 Lonsdale Street Tower (Commercial)
- 555 Collins Street (Office)
- LDH North Melbourne (Residential)
- Prahran and Brighton Public Housing Renewal (Residential)

Research Outputs

Journal Articles:

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| • N. Aalami , M. Abravesh, T. Maqsood, M. Bhuiyan, K. Zhang. "Movement Optimisation of a Moveable Façade Using Bi-Metals as Actuators on the Occupant's Thermal Comfort". <i>Journal of Energy and Buildings</i> . DOI: 10.1016/j.enbuild.2025.116753 | 2025 |
| • N. Aalami , T. Maqsood, M. Bhuiyan, M. Abravesh, K. Zhang. "An Innovative Approach to Operable Building Skin Modules: Enhancing Cooling Efficiency by Optimising Phase Change Materials in Cavity Spaces". <i>Journal of Building Engineering</i> . DOI: 10.1016/j.jobbe.2026.115230 | 2026 |

- **N. Aalami**, T. Maqsood, M. Bhuiyan, K. Zhang. "Development of Operable Modular Louvers Sited in a Single-sided Ventilated Room through 3D Parametric Optimisation". *Building and Environment*, 266:112134, DOI: [10.1016/j.buildenv.2024.112134](https://doi.org/10.1016/j.buildenv.2024.112134) Sep. 2024

Conference Papers:

- **N. Aalami**, T. Maqsood, M. Bhuiyan, K. Zhang. "Interactive Building Facade with Low-Cost PCMs for Selected Building Types in Coastal Areas". In *2021 DSC Intertext Symposium*, RMIT, Melbourne, Australia. Oct. 2021

Certificates & Awards

- Using the IESVE for Energy Modelling - Heating & Cooling Loads and Simulation | IES 2023
- Using the IESVE for HVAC Modelling- Systems Representation | IES 2023
- Using the IESVE for CFD - the Basics | IES 2023
- WELL AP | International WELL Building Institute (IWBI) 2022
- Regenerative Architecture | DigitalFutures 2022
- Graphic Design Competition Award, People Choose Award | RMIT School of Architecture 2021
- RMIT University Research Scholarship | RMIT University 2020