

PhD Vacancy for August 2025 / January 2026 Intake

The [IDEASLab](#) at the National University of Singapore (NUS) is inviting applications for a fully funded PhD scholarship under the supervision of [Dr. Adrian Chong](#). The scholarship is known as the NUS Research Scholarship and is awarded to outstanding graduate students. More details on the NUS Research Scholarship can be found in the [link here](#).

The successful candidate will have the opportunity to pursue research in one or more of the following areas:

- Mixed-mode ventilation for tropical climates
- Occupant-centric building controls
- Integrating real-world data with simulation models

Deployment and Demonstration:

Experimental Rigor: You will have the opportunity to test, tune, and evaluate algorithms and solutions in a living lab environment, providing valuable hands-on experience.

Real-World Implementation: You will have the opportunity to apply and validate your research in real-world settings with actual building occupants, ensuring practical relevance and bridging the gap between research and practice.

Qualifications:

We are looking for a motivated candidate with the following qualifications:

- Education background in Architecture, Mechanical Engineering, Building Technology, Computer Science, or a related field.
- Strong interest in HVAC systems, building technologies, and advanced building controls.
- Passion for experimentation, implementation, and maintaining high levels of scientific rigor.
- Proficiency in data science and machine learning with experience in programming languages such as Python and/or R.
- Strong scientific writing, communication and learning skills.

How to Apply

Applications will remain open until the position is filled. Interested candidates should formally apply to NUS for the August 2025 intake. Details on how to apply can be found in the [link here](#). Note that closing dates for August 2025 intake is 15 January 2025 for international candidates.

In addition, applicants should email the following documents to Dr. Adrian Chong at adrian.chong@nus.edu.sg:

- A detailed CV outlining your academic background, relevant experience and publications.
- A personal statement outlining your research interests, motivations for pursuing a PhD, and how your skills and experiences align with the lab's focus