

**Fujitsu-SMU Urban Computing & Engineering Corp Lab  
Singapore Management University (SMU)  
Openings for Research Scientist, Research Fellow and Research Engineer**

Funded by the National Research Foundation and Fujitsu Ltd, the Fujitsu-SMU Urban Computing and Engineering Corp. Lab is housed in the Singapore Management University. It is an integral part of the Urban Computing & Engineering Centre of Excellence – a collaboration between A\*STAR, Fujitsu and SMU. The Corp Lab is a synergistic industry-university partnership aimed at conducting industry-relevant R&D on combining human behavior and management approaches with computational capability to create intelligent systems for urban dynamics and decisions.

Central to our approach is real-time or near-real-time data-driven simulation and optimization that deeply incorporate theories and models from behavioral economics, utilizing high-performance computation that pushes the boundary of state-of-the-art methods in Artificial Intelligence and Operations Research. Through real-world field testbedding, we will create and experimentally validate our approach to dynamically match transient demand and constrained supply for selected types of real-time mobility services, for crowd flow and experience management in large and crowded urban spaces, for integrated maritime port and urban logistics scenarios, and for resource allocation and scheduling for urban safety and security.

Research Scientist and Research Fellow applicants must have a Ph.D. from an internationally recognised university in the areas of Computer Science, Operations Research, Industrial Engineering or related disciplines. They should also demonstrate a strong interest in innovative research oriented applications.

Research engineer applicants must have a BSc or MSc (or equivalent) degree in the same areas listed above.

In particular, we look for individuals whose research backgrounds are in one or more of the following areas:

- Large-scale optimization and Meta-heuristics
- Autonomous Agents and Multiagent Systems
- Agent-based Modeling and Simulation
- Human Behavioral Analysis
- Machine Learning and Statistical Analysis
- Urban Operations and Management

Further inquiries or interested candidates can be directed to the Lab Director

Professor Lau Hoong Chuin [hclau@smu.edu.sg](mailto:hclau@smu.edu.sg)