

# LAU HOONG CHUIN

PROFESSOR OF COMPUTER SCIENCE

SCHOOL OF COMPUTING AND INFORMATION SYSTEMS



## BIOGRAPHY

Professor Lau Hoong Chuin is a Professor of Computer Science at the Singapore Management University (SMU) School of Computing and Information Systems, where he has held various senior academic and administrative roles since 2005. With a PhD in Computer Science from the Tokyo Institute of Technology, his career spans over three decades of research and leadership in intelligent systems and optimization. He has previously served as the Director of the Fujitsu-SMU Urban Computing & Engineering (UNICEN) Corp. Lab and held academic positions at the National University of Singapore, Tokyo Institute of Technology and Eindhoven University of Technology.

Professor Lau's extensive portfolio includes numerous best paper awards and prestigious fellowships, reflecting his impact on both the academic community and the public sector through committee service for organizations like A\*STAR and the National Supercomputing Centre. His work focuses on bridging the gap between theoretical algorithm engineering and real-world urban and logistics applications.

## RESEARCH AREAS & AREAS OF EXPERTISE:

- Applied Optimization for problems in Logistics, Supply chain management, e-Commerce
- AI Planning and Scheduling •Interface of AI and Operations Research
- Autonomous Agents and Multi-agent systems
- Analytics for urban management and service improvement
- Algorithm engineering for combinatorial optimization
- Quantum and quantum-inspired computing for combinatorial optimization

**YEARS IN SMU:** 2005 - Present

**LANGUAGE SPOKEN:** English, Mandarin and Japanese

## CORPORATE EXPERIENCES & PUBLIC SPEAKING

- Extensive research and application of optimization techniques in logistics, supply chain management, and e-commerce
- Over 15 years in senior roles at SMU, including Directorships of major corporate and research laboratories like UNICEN and LARC
- Served as Chief Technology Officer and Optimization Consultant at iFusion Pte Ltd and has held consultancy roles for organizations like ST Dynamics and Tan Tock Seng Hospital
- Extensive international experience as a Visiting Professor at institutions including the Wharton Business School, Kyoto University, and the Chinese Academy of Sciences
- Contributes to national strategic initiatives, serving on committees for the National HPC Roadmap and the President's Science and Technology Awards and AI Singapore Grand Challenges

## LINKEDIN



[linkedin.com/in/hoong-chuin-lau](https://www.linkedin.com/in/hoong-chuin-lau)