Why NUS SoC?

Our emphasis on excellence in teaching and research, and commitment to offering students every opportunity to reach their maximum potential has placed us among the top ten universities in the world for computing*. SoC’s academic staff and students continuously engage in diverse, award-winning research, noteworthy projects and rewarding collaborations with other prominent institutions, locally and internationally.

With a faculty of 200 academic staff from some of the best universities worldwide, a 2000-strong student body, a host of distinguished alumni at the helm of various leading organisations, and rapidly growing global prominence, earliest graduate students can be assured of sound prospects at NUS School of Computing.

*2014 Quacquarelli Symonds World University Rankings by Subject

Department of Computer Science

The Department of Computer Science offers a research-intensive PhD program focused on academic achievements, including published papers, conference presentations, system building and patents. Students work closely with faculty advisors to address challenging problems targeting a wide range of areas in both theoretical and applied computing.

The Department of Computer Science’s research encompasses the following areas:

- Artificial Intelligence
- Computational Biology
- Database Management Systems
- Media
- Programming Languages & Software Engineering
- Security
- Systems & Networking

Gao Zheng
Research Engineer

Yu Cao
Senior Research Scientist

Li Hao
Quantitative Analyst

Soo-Hwan Kim
Assistant Professor

Shawn Je Zhou
Senior Engineer

Claudia Szabo
Assistant Lecturer

Sathish Seshadri
Senior Lecturer

Ami Jain
Assistant Professor

Goh Ming Hua
Assistant Professor

Barney Tan
Yu Ching Cheng
Assistant Professor

Yang Jie
Assistant Professor

Tsz Kwok
Assistant Professor

Wenxi Yu
Assistant Professor

Why Information Systems

The Department of Information Systems seeks PhD students who are interested in pursuing research in information technologies as applicable to business, healthcare, and society at large. Faculty members are engaged in a variety of research topics and have received numerous accolades for their research contributions worldwide and within Asia.

The Department of Information Systems primary research interests are:

- Economics of Information Systems
- Electronic Commerce
- Information Management
- Information Systems in Healthcare
- Service Systems Innovation
- Social Computing
Achievements

The Google Anita Borg Memorial Scholarship Award
PhD student Sharmili Roy Sethy secured The Google Anita Borg Memorial Scholarship for 2013, a highly competitive award established to promote excellence and leadership in computing and technology among women.

President’s Science Award
Professors Ooi Beng Chin and Tan Kian Lee won the 2011 President’s Science Award for their pioneering demonstration of the practicality and effectiveness of peer-to-peer data management systems for managing "big data" in large-scale parallel and distributed systems.

IBM Smarter Planet Faculty Innovation Awards
Associate Professors Danny Poo and Atreyi Kankanhalli won US$110,000 each in the 2010 IBM Smarter Planet Faculty Innovation Awards for their efforts in creating innovative curricula for the development of professionals for industry transformations.

Bank of America Global Campus Challenge
Graduate students Cao Nannan, Htoo Htet Aung, Li Luochen and Zeng Yong won the 2012 Bank of America Global Campus Challenge with a total cash prize of US$5,000 each for the challenge that sought innovative solutions to real-world banking scenarios involving technological issues and business considerations.

Elsevier App Challenge
PhD student Ming Zhaoyan won the 2010 Elsevier App Challenge where participants were tasked to create exciting and fun applications in Elsevier’s ScienceDirect platform.

Google Cloud Developer Competition
Graduate student, Seah Ru Hong, won US$20,000 when he clinched first place in the Google Cloud Developer Challenge, Southeast Asian region, in January 2014.

Best Paper Awards
Professor Ling Tok Wang was awarded the 2011 Database Systems for Advanced Applications (DASFAA) 10+ Year Best Paper Award, for having written the paper that has had the most impact on research, products and methodology in the field of database systems in the last decade.

PhD student Wu Yingjun won the ACM DEBS 2013 Grand Challenge Best Paper Award at the 7th Association for Computing Machinery International Conference on Distributed Event-Based Systems.

Teams supervised by Professor Chua Tat-Seng and Associate Professor Ooi Wei Tsang have won the Best Student Paper and Best Demo awards at the 2013 ACM International Conference on Multimedia.