A Quick Intro to NUS School of Computing

Limsoon Wong

National University of Singapore
NUS Fact Sheet

• From a modest medical school founded in 1905, NUS has evolved into Singapore's global univ with distinctive strengths in education and research and an entrepreneurial dimension. It has an enrolment of ~23,500 undergrad and ~9,000 grad students from ~90 countries

• NUS's 14 faculties offer a broad-based curriculum underscored by multi-disciplinary courses and x-faculty enrichment. It also enjoys a close teaching-research nexus with 13 natl-level, 12 univ-level and 80 faculty-based research institutes and centres
SOC Fact Sheet

- Established July 1998, to provide high-quality infocomm education and high-impact infocomm research for service to country and society

- Departments:
  - Computer Science
  - Information Systems

- Staff: 120 core faculty

- Students: 2035
  - 1535 undergrads
  - 500 grad students (350 PhD + 150 MComp)

Main Research Areas

**Computer Science**
- AI
- Bioinformatics
- Database
- Media
- Prog & S/W Engineering
- Systems & Networks

**Information Systems**
- E-Commerce
- Internet & Info Privacy
- Knowledge Management
- Virtual Communities

Advance knowledge and foster innovation, educate students and nurture talent, in service of country and society

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## Research Impact

### FULL PROFESSORS

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### Research Funding

#### Annual New Funding ($M)

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Good students are encouraged to participate in: UROP, ATAP, FYP, & SIG

Advanced Technology Attachment Programme (6-month internship) with:
Graduate Programmes

• **PhD Research in**
  – Algorithms and Theory
  – Artificial Intelligence
  – Biomedical Computing
  – Database Mgmt Systems
  – Info Security
  – Media, Graphics, HCI
  – Prog Lang, S/W Eng
  – Systems and Networking

• **Master of Computing in**
  – Computer Science
  – Infocomm Security
  – IT Project Management

Financial Support for PhD Students

• **Research Scholarship (Fee + Stipend $2,000 & above/month)**

• **PhD Top-up ($500)**

• **President’s Graduate Fellowship ($3,000 /month)**

• **Support for traveling to overseas conferences**

• **Research & Teaching Assistantships**
Where PhD Students Go in 2006/7

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Working with Industry

- **Consulting**
- **Technology licensing**
- **Research contract**
- **Joint research labs**

**Example research contract**
- General Motors
- Performance Modeling and Tool-Support for Designing FlexRay-based ECU Networks
  - $0.5M

**Example joint research lab**
- i²R
- Knowledge discovery from clinical data
  - $1.0M
SOC Incubation Centre

Companies graduated:
- Friar Tuck
- GeoFoto
- Delcon Networks
- Intelligent Optimization
- Mozat
- Atsuma Technology
- Multitrex
- Innvo Systems
- IQExplorers.com
- Frensville

Current incubatees:
- DreamAxis
- Mosonex
- Smoove
- LD Tech
- Nineo.com
- DecisionWare
- TenCube