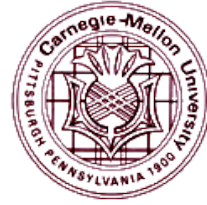




**NANYANG
TECHNOLOGICAL
UNIVERSITY**



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NTU, Carnegie Mellon University establish dual PhD degree programme in Engineering

-Top research talent from both universities will engineer new-generation robotics and intelligent systems

Successful PhD (Engineering) candidates at Singapore's Nanyang Technological University (NTU) and the United States' Carnegie Mellon University (CMU) will now be able to earn two PhD degrees – one each from the universities.

The two universities are coming together to establish the NTU-CMU Dual PhD Degree Programme in Engineering. Under the programme, PhD (Engineering) candidates who successfully meet the academic requirements of both NTU and CMU will be awarded PhD degrees by both universities.

This is the first dual PhD degree programme hosted at NTU's College of Engineering, and comes on the heels of a series of high-profile joint doctoral programmes that NTU has started with world-renowned universities such as Imperial College London, Technische Universität München (Germany) and Karolinska Institutet (Sweden).

The average duration of the programme is four academic years. Students will be required to spend at least two academic years of their candidature at NTU and another two academic years at CMU. They will have two co-advisers, one each from NTU and CMU, to guide them in their research.

The partnership was sealed at a ceremony at NTU today where NTU President Dr Su Guaning and CMU President Dr Jared L. Cohon signed a memorandum of

understanding to establish the programme, witnessed by senior officials from both universities' Colleges of Engineering.

"This collaboration between NTU and Carnegie Mellon University will equip candidates with two world-class PhD degrees and the best that the two universities have to offer," said Dr Su. "Through this programme, students from our College of Engineering will return to Singapore with cutting-edge knowledge in robotics, and be able to contribute to research and development as well as to industry. The Economic Development Board's support of the programme is a strong signal of the programme's economic and industrial relevance."

"We are delighted that Carnegie Mellon's Mechanical Engineering Department will be involved with this innovative dual PhD degree programme with Nanyang Technological University," said Dr Cohon. "Carnegie Mellon has a longstanding tradition of collaborating with top universities around the world to provide opportunities for our students to learn in competitive and entrepreneurial environments. This agreement will enable PhD candidates, both in Pittsburgh and Singapore, to work with some of the top minds in a variety of academic disciplines."

Robotics solutions have revolutionised manufacturing processes and will improve productivity across sectors such as health care, transportation and logistics. The Economic Development Board (EDB) is working to grow the robotics and intelligent systems industry in Singapore and this dual PhD degree programme is one of the key initiatives it is supporting – up to 10 students will be supported to gain experience in developing practical robotics and intelligent systems solutions.

"This learning experience in NTU and CMU is a great opportunity for our young people to immerse themselves in robotics and intelligent systems research and commercialisation," said Mr Jonathan Kua, Director, News Businesses, EDB. "This dual PhD degree programme will give them a headstart in becoming scientific and business leaders, who will develop solutions that will bring our industries to a higher level of competitiveness and growth."

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About Nanyang Technological University

Nanyang Technological University (NTU) is a research-intensive university ranked among the world's top 100 universities. The Yunnan Garden campus, NTU's main campus, is located in the south-western part of Singapore and will be the Youth Olympic Village of the inaugural Youth Olympic Games in 2010. The NTU@one-north campus, home to educational and alumni clubhouse facilities, is located near Singapore's biomedical research hub Biopolis and the new engineering and physical sciences hub Fusionopolis.

NTU has four colleges, namely:

- The Nanyang Business School (the College of Business), the first and only Singapore business school to be ranked in the top 27 of the Financial Times Global MBA rankings in 2010,
- The College of Engineering, with six schools focused on technology and innovation and a research output among the top four in the world,
- The College of Humanities, Arts and Social Sciences, home to Singapore's first professional art school offering degree courses in art, design and interactive digital media; the Humanities and Social Science School; and the Wee Kim Wee School of Communication and Information, a top journalism and media school in Asia,
- The College of Science is home to award-winning faculty, world-class laboratories, and Olympiad medal winners.

The S. Rajaratnam School of International Studies, one of three autonomous institutes of NTU, is a world authority on strategic studies and security research. NTU is also home to the internationally acclaimed National Institute of Education, Singapore's only teacher-training institute. The Earth Observatory of Singapore, established in 2009 with \$150 million in state funding, is dedicated to hazards-related earth science.

As Singapore's main science and technology university, NTU makes significant contributions to the nation's renewed drive for research and innovation spearheaded by the Singapore National Research Foundation (NRF). NTU's strengths in biomedical sciences, environmental and water technologies, and interactive and digital media mirror the NRF's research focus. Impressed by the vibrant entrepreneurship environment at NTU, the Ewing Marion Kauffman Foundation, widely known as 'The Foundation of Entrepreneurship', has chosen NTU to be the first Kauffman campus outside the United States of America.

NTU has a strong and broad international reach covering academic and research partnerships with top institutions in the US, Europe and Asia, such as MIT, Stanford University, Cornell University, Caltech, University of Washington, Georgia Institute of Technology, Carnegie Mellon University, Cambridge University, Imperial College and Swiss Federal Institute of Technology, Peking University, Shanghai Jiaotong University, Waseda University, and Indian Institute of Technology.

For more information, visit www.ntu.edu.sg

About Carnegie Mellon University

Carnegie Mellon is a private, internationally ranked research university with programmes in areas ranging from science, technology and business, to public policy, the humanities and the fine arts. More than 11,000 students in the university's seven schools and colleges benefit from a small student-to-faculty ratio and an education characterised by its focus on creating and implementing solutions for real problems, interdisciplinary collaboration and innovation. A global university, Carnegie Mellon's main campus in the United States is in Pittsburgh. It has campuses in California's Silicon Valley and Qatar, and programmes in Asia, Australia and Europe. The university is in the midst of a \$1 billion fundraising campaign, titled "Inspire Innovation: The Campaign for Carnegie Mellon University," which aims to build its endowment, support faculty, students and innovative research, and enhance the physical campus with equipment and facility improvements.

For more information, visit www.andrew.cmu.edu