Singapore, 26 February 2008

NTU and United States Air Force Academy in research collaboration
- USAFA’s first such agreement with a foreign university

Singapore’s Nanyang Technological University (NTU) will embark on collaborative research with the United States Air Force Academy (USAFA). This is the first time that the USAFA is embarking on research collaboration with a university-at-large outside the United States.

The collaboration will advance research in the range of common disciplines between the two institutions and enhance education experiences for students of both organisations.

The Cooperative Research and Development Agreement (CRADA) was signed during the USAFA’s visit to NTU today. NTU’s President, Dr Su Guaning, was the Guest-of-Honour, and Singapore’s Chief Defence Scientist, Professor Lui Pao Chuen, and USAFA’s Dean of Faculty, Brigadier-General Dana Born, were present at the signing ceremony.

The two organisations have identified five research areas of mutual interest, which will form the initial focus for collaborative activities. These are:
- Space physics and satellite systems;
- Mechanics and structural integrity;
- Computational modeling and aerodynamics;
- Laser and optics research; and
- Learning sciences and problem-based learning.
Brigadier General Dana Born, Dean of the Faculty, USAFA, says, “This is our first CRADA with an institution of higher learning in Singapore and we are very excited about this historic undertaking. This collaboration not only benefits both of our institutions’ faculty and student bodies, but is an important step in furthering the goodwill between our two countries.”

Professor Pan Tso-Chien, Dean, NTU College of Engineering, says, “USAFA has many advanced research programmes which we are excited to participate in. As a top technological university, we have established strengths in many areas of engineering research and development, and we are pleased to contribute our capabilities to USAFA through this agreement.”

Dr Su Guaning, President, NTU, says, “NTU is proud to be USAFA’s first foreign university partner in collaborative research. The agreement brings together two top educational and technological organisations and allows us to leverage our strengths and facilitate mutual learning. We look forward to working with USAFA on world-class research programmes.”

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**About United States Air Force Academy**

Designed for the future, the United States Air Force Academy campus boasts state-of-the-art facilities, including laboratories, observatories and a library containing over 700,000 volumes. Other landmarks include the cadet chapel with its seventeen spires that soar 150 feet toward the Colorado sky. Spanning 18,000 spectacular acres nestled against the Rocky Mountains, the Academy draws thousands of visitors from around the world each year.

The Air Force Academy Mission is to educate, train and inspire men and women to become officers of character, motivated to lead the United States Air Force in service to our nation. The Air Force Academy Vision is to be the Air Force’s premier institution for developing leaders of character.

**About Nanyang Technological University**

Nanyang Technological University (NTU) is a research-intensive university ranked among the top 25 technological universities in the world. The Yunnan Garden campus, NTU’s main campus, is located in the south-western part of Singapore. The NTU@one-
north campus, home to educational and alumni clubhouse facilities, is located near Singapore’s biomedical research hub, Biopolis; and the new infocomm and media hub, Fusionopolis.

NTU has four colleges, namely:
• 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 Science which offers Singapore’s only direct-honours bachelor’s degree programme
• The Nanyang Business School (the College of Business), the first and only Singapore business school to be ranked in the top 50 of the Financial Times Global MBA 2008 rankings
• The College of Humanities, Arts, & 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 S Rajaratnam School of International Studies, one of two autonomous institutes of NTU, is a world authority on strategic studies and terrorism. NTU is also home to the internationally-acclaimed National Institute of Education, Singapore’s only teacher-training institute.

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.

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, and Carnegie Mellon University; Cambridge University, Imperial College and Swiss Federal Institute of Technology; and Peking University, Shanghai Jiaotong University, Waseda University, and Indian Institute of Technology.

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