

MESSAGE



I hope you will enjoy reading this report which bears testimony to the talent, energy and creativity of the NUS community – students, faculty and staff, alumni, benefactors and friends – in our unrelenting quest for global excellence in education, research and service.

2008 has been a year of notable achievements. Our University is growing and thriving. Several important initiatives were successfully launched and we have seen the fruits of programmes introduced in previous years.

2008 is also a year of transition, marked by a change in leadership at the level of the President, with the passing of the mantle worn ably by Professor Shih Choon Fong. NUS' current high international standing and reputation owes much to Professor Shih's vision, energy and dynamism. He has ensured that NUS is well-positioned to make the leap to becoming a great university.

NUS will continue to pursue with passion and determination our vision of being a leading global university. Residential learning, especially at University Town, will help transform our students' educational experience. We will place a singular focus on attracting and nurturing world-renowned faculty and fostering an energising intellectual environment, an environment that will not just equip but challenge our community to make a difference, to be influential in thought-leadership on issues of global import and of relevance to Asia.

The next leg of our journey will be an exciting one. Like explorers on new ground, we look forward to a future rich with possibilities and opportunities for NUS.

Tan Chorh Chuan
President-designate

GLOBAL INITIATIVES



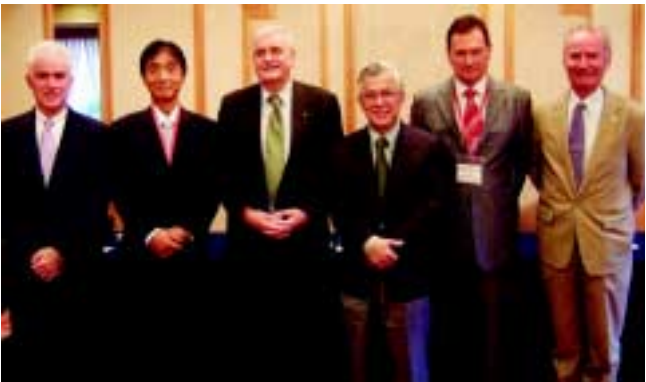
- University Town when completed in the next few years, will be a global living and learning community of students from Singapore and all over the world. Its groundbreaking ceremony was officiated by **Prime Minister Mr Lee Hsien Loong**.



- **China's Premier Wen Jiabao** while on a state visit in Singapore, gave a keynote speech at NUS, entitled *Only an Open and Inclusive Nation Can Be Strong*. In his address, Premier Wen commended the University for its international reputation, strong scientific research capability and for forging a "no-walls" culture.
- The **NUS-Baden-Wurtemberg Joint Scientific Conference**, hosted at the University, focused on Cancer, Immunology, Stem Cell Research and Tissue Engineering and Translational Medicine. It included a roundtable discussion on research collaboration between NUS and Baden-Wurtemberg.

- Asia's first branch of the **Ludwig Institute for Cancer Research** will offer the flexibility of investigators being hosted by A*STAR, NUS' Yong Loo Lin School of Medicine and the Duke-NUS Graduate Medical School (Duke-NUS).
- NUS hosted the 6th Building Bridges Seminar, *Humanity in context: Christian and Muslim perspectives on being human*, with the **Archbishop of Canterbury, Dr Rowan Williams** as well as 35 other renowned Islamic and Christian scholars and theologians.
- NUS hosted a visit by **Claremont University Consortium** where both NUS President Prof Shih Choon Fong and President of Pomona College, Prof David Oxtoby spoke on liberal arts education and how an integrated living and learning environment could bridge diversity and nurture global perspectives among students.
- The **Lee Kong Chian NUS-Stanford Initiative on Southeast Asia** opened with a public lecture by Distinguished Fellow Prof Robert W Hefner of Boston University. The initiative provided a platform for academics to engage and collaborate with experts worldwide on multidisciplinary research on religions and migration in Southeast Asia.
- The Asia Research Institute and the Faculty of Arts and Social Sciences brought together researchers from the **International Alliance of Research Universities (IARU)** – a network of 10 of the world's leading universities – to discuss the social and health challenges associated with ageing population in their respective countries. Joining the academia were members from the government and healthcare sectors as well as non-governmental organisations.
- The Faculty of Law hosted the first **Regional Capacity Building Programme in Intellectual Property Law** attracting 32 participants, including academics, government officials as well as members of judiciary and legal service from 12 countries including Australia, Taiwan, Indonesia, Philippines, Vietnam, China, Cambodia and Sri Lanka.
- The **Centre for Transnational Legal Studies**, a joint venture between NUS Faculty of Law with international premier law schools that include Free University of Berlin, University of Fribourg, Hebrew University of Jerusalem, King's College London, University of Melbourne, University of Sao Paulo, University of Torino and the University of Toronto, opened in London's legal quarter at High Holborn Street.
- The NUS Business School collaborated with Fudan University School of Management and Korea University Business School to launch the **Seoul, Shanghai and Singapore (S³) Asia MBA Double Degree Programme**.

- NUS and **European Aeronautic Defence and Space Company (EADS)** signed an agreement to set up joint research collaborations as well as an internship programme for attachment of NUS students at EADS' research centres in Europe.
- The collaboration between the **Yong Siew Toh Conservatory of Music (YSTCM)** and the **Peabody Institute** was renewed with the inking of a new agreement with new programmes which aim to raise Singapore's profile as a global city for the arts.
- The second **APRU World Institute (AWI) Public Health workshop** – *The Role of Research Universities in Responding to Ageing & Chronic Disease, Infectious Disease and Health Security Issues* – was held at University of Tokyo. Senior Deputy President, Prof **Tan Chorh Chuan** shared NUS' role in addressing issues of Singapore's ageing population and prevalence of chronic diseases. NUS President Prof **Shih Choon Fong** participated in University Leaders Panel Session involving leaders from Chinese University of Hong Kong, Keio University, University of California Los Angeles, University of Sydney, University of Tokyo as well as Western Pacific Regional Office, World Health Organisation.



- **APRU's 12th Annual Presidents Meeting** and APRU Forum, hosted by Keio University, saw the appointment of a new chairman and election of members to the new APRU Steering Committee. NUS President Prof **Shih Choon Fong** was re-elected to the Steering Committee which provides leadership for the consortium.
- Senior Deputy President Prof **Tan Chorh Chuan** and Dean, Lee Kuan Yew School of Public Policy, Prof **Kishore Mahbubani** were panelists at the World Economic Forum on East Asia, Kuala Lumpur.



- NUS with European Commission and NTU, established the **European Union (EU) Centre** to encourage greater awareness and knowledge of EU in Singapore through support for EU-focused education, research and outreach activities. NUS Deputy President (Academic Affairs) and Provost Prof Tan Eng Chye signed the Memorandum of Understanding.
- NUS participated in the **60th NAFSA Conference and Expo** in Washington DC which is regarded as the largest and most important international education conference in the world.
- NUS was a member of the Singapore contingent which participated for the first time at the prestigious **Euroscience Open Forum (ESOF)**, Spain.

Global standing

- NUS was ranked 33rd in the world and 4th in Asia by The Times Higher Education Supplement-Quacquarelli Symonds (THES-QS) University Rankings 2007. NUS continued to fare well in the major disciplines. It was ranked 10th in the world for **Technology** (Engineering and IT), 12th and 20th for **Life Sciences and Biomedicine** and **Social Sciences** respectively. It continues to be the world's top 25 for **Natural Sciences**.
- NUS chalked another Platinum award in the Reader's Digest 2008 Trusted Brands awards programme, for the second year running. The awards were given out by Reader's Digest based on a poll where over 530,000 questionnaires were mailed by the magazine and 109,233 calls were made by The Nielsen Company. NUS was a clear choice in the Universities category. To achieve a Platinum award, brands must achieve a rating score that is at least double that of their nearest competitor.

STUDENTS

Enrolment

Total enrolment: 30,350

Total international students: 10,511

Undergraduates: 23,330

Graduate students: 7,020

Faculty/School/Institute	Under-graduate	Graduate
Arts and Social Sciences	5,412	698
Business	1,812	544
Computing	1,399	335
Dentistry	152	72
Design and Environment	1,584	335
Duke-NUS Graduate Medical School	–	26
Engineering	6,160	1,947
Law	872	268
Science	4,472	1,049
Yong Loo Lin School of Medicine	1,297	535
Yong Siew Toh Conservatory of Music	170	6
Lee Kuan Yew School of Public Policy	–	266
NUS Graduate School for Integrative Sciences and Engineering	–	183
Institute of Systems Science	–	465
Regional Language Centre	–	13
Singapore-MIT Alliance	–	136
Temasek Defence Systems Institute	–	114
The Logistics Institute – Asia Pacific	–	28

Graduation statistics

- Bachelor degrees: 5,691
- Total higher degrees: 2,404
 - ~ Graduate Diplomas: 295
 - ~ Master degrees: 1,778
 - ~ PhD degrees: 331

Examples of Student Achievements and Service



- **Donn Koh** (Design and Environment) won the Braun Prize 2007, Kronberg, Germany.
- **Joe Tan** (Design and Environment) took the Gold at the Opus Design Award 2007, Japan.
- **Vipin Narang** and **Chua Hon Nian** (Computing) were winners of DREAM2 Conference, 2nd Dialogue on *Reverse Engineering Assessment and Methods for Biology* in New York, US.
- Team comprising **Chen YuXun, Tan Ruixiang, Eugene Aw, Grace Chen** and **Heng Yinghui** (Design and Environment) was 2nd runner-up at the 6th IAHH International Student Design Competition, India.
- **Prime Tambayong** (Design and Environment) won Master Award at the FuturArc Prize 2008 for best overall design.
- **Lim Wenjie, Charmaine Cheok** and **Mervyn Yip** (Design and Environment) and **John Chua, Ryan Peh** and **Alina Tan** (Business) formed the team which emerged champion at the 3rd Annual Undergraduate Real Estate Case Competition by the Marshall School of Business at University of Southern California.
- **Anthony Chor Xingyou, Ooi Siwei** and **Marcus Tan Hwa Yik** (Engineering) won the Frederic Barnes Waldron Best Student Prize, IMechE 2007; the IMechE Project Prize and the IMechE Best Project Certificate respectively.



- **Veerappan Swaminathan, Tan Huei Ming, Tan Yi Han, Muhd Ibnur Rashad and Set Ying Ting** (Engineering) won the Mondialogo Engineering Award, India.
- NUS team comprising **Liu Zeming** and **Nuraisah Ruslan** (Law) beat 23 international teams to clinch first position at the Oxford Intellectual Property Moot Competition.
- **Tang Xinyi** (Engineering) won Second Prize, Best Student Poster Paper Award at the IEEE International Conference on Electron Devices and Solid-State Circuits 2007 in Taiwan.
- **Robert T Grignani** and **Khor Chiea Chuen** (Medicine) won the Gold Medal and Book Prize in Ophthalmology for their project, *Identification of a Novel Gene that Contributes to the Pathogenesis on Myopia*.
- **Abigail Sin** (Music) snared the first prize (Junior Category) at the Viardo International Piano Competition held in USA.
- **Cao Qi** (Music) won the Concerto Competition 2007, Kennedy Center/National Symphony Orchestra Summer Music Institute, USA.
- **Yao Jing, Zhang Nianchao, Dai Le, Xie Yelin, Pei Fei** (Music) took second prize (Wind Ensemble Category) at the 9th Asian Symphonic Band Competition held in Thailand.
- **Ekachai Maskulrat** (Music) was judged Most Promising Performer, Gisborne International Music Competition in New Zealand.
- **Akari Tsuruta** (Music) won third Prize in the 13th International Youth Music Competition held in Japan.



- **Lin Diyan, Lin Diyang** and **Nigel Tay Sin Chao** (Medicine) won the gold medal for Water Polo in the 24th Southeast Asian Games, Thailand. **Mok Ying Ren** (Medicine) took the gold in the Triathlon category. In total, NUS athletes returned with four golds, seven silvers and 14 bronzes.
- **Graduating class in Theatre Studies** (Arts and Social Sciences) staged *The West Wing*, a revolutionary interpretation of a controversial classic opera at the University Cultural Centre with opening night graced by President S R Nathan. The team was also invited by Fudan University to stage the performance.
- **Boey Mao Jie, Eng Zhen Feng, Ee Zhongren** and **Mohamed Shafiq** (Dentistry) won the Best Clinical Research Project at the South East Asia Association for Dental Education (SEAADE)-GC Asia Student Prevention Table Clinician Competition in Bali, Indonesia.
- **Liow Chee Yee, Lianne Seah Li Yan, Brenda Lee Shufen, Eileen Ong Yu Lin, Karina Tham Yaoxuan** and **Darren Chua Ming Zhi** (Arts and Social Sciences) won first prize at the Intel ACTION! Film Festival for their short film, *Practical Aim* in Singapore.
- **Farhan B Ali** and **Jia Lile** (Arts and Social Sciences, USP), **Zheng Jia** (Computing, USP) and **Chuan En Lin Christelle** (Life Sciences, USP) were winners of the inaugural NUS Outstanding Undergraduate Researcher Prize (Individual Category).
- **Sikhander Singh** (Arts and Social Sciences) clinched the NUS Sportsman of Year Award for 2007.



- **NUS Dragon Boat** men and women teams won the Prime Minister's Challenge Cup 2007, as well as one gold, one silver and two bronzes at the Singapore Dragon Boat Festival 2007.
- Community Chest conferred the five-year Outstanding Special Events Award and Special Events Gold Award to NUS in recognition of **NUS Students Union** (NUSSU)'s effort in raising over \$2 million for more than 70 charities over seven years through the annual Rag and Flag event.



- For the first time, Rag Day went out of campus to the Padang as part of the National Day celebrations. **NUSSU** raised a record sum of \$501,612.65 for their Flag Day.
- **NUSSU** organised Breakers Day 2007, raising \$6,000 for the St Andrew's Mission Hospital and Handicaps Welfare Association. They also set a new Singapore record, folding 10,056 paper cranes in 30 minutes.

FACULTY AND STAFF

Total faculty and staff: 7,648

Faculty members: 2,103

Research staff: 1,710

Administrative & professional staff: 1,344

General staff: 2,491

University Awards 2008

Outstanding Educator Award



Assoc Prof **Ashwin M Khambadkone** (Engineering)

Assoc Prof **Erle Lim Chuen Hian** (Medicine)

Assoc Prof **Sow Chong Haur** (Science)

Outstanding Researcher Award



Prof **Shen Zuowei** (Science)

Prof **Henry Yeung** (Arts and Social Sciences)

Young Researcher Award



Dr **Peter Ho** (Science)
Dr **Yeo Yee Chia** (Engineering)
Assoc Prof **Loh Kian Ping** (Science)
Assoc Prof **Sung Wing-Kin** (Computing)

Outstanding Service Award

Special Commendation



Prof **Lim Siong Guan**
(Lee Kuan Yew School
of Public Policy)



Assoc Prof **Wong Poh Poh**
(Arts and Social Sciences)

Emeritus Professor



Prof **Goh Suat Hong** (Science)
Prof **Sit (Wong) Kim Ping** (Medicine)

Examples of Faculty and Staff Achievements

- Lee Kong Chian Centennial Prof **Artur Ekert** (Science) received the Royal Society 2007 Hughes Medal, UK.
- Assoc Prof **Adrian Cheok** (Engineering) was named Young Global Leader 2007 by World Economic Forum for his mixed reality inventions.
- Assoc Prof **Chng Wee Joo** (Medicine) received the Celgene Future Leaders in Haematology Award, USA.
- Assoc Prof **Gregory Clancey** (Arts and Social Sciences) won the Sydney Edelstein Prize for the best scholarly book on the history of technology, Society for the History of Technology, USA.
- Prof **David Koh**, Assoc Prof **Wong Mee Lian** and Adjunct Assoc Prof **Roy Chan** (Medicine) were recipients of the 2008 Wilf Howe Memorial prize Award by Royal College of Physicians in London.
- Dr **Henry C Willem** (Design and Environment) received the Ralph G Nevins Physiology and Human Environment Award, USA.
- Assoc Prof **Joseph Ooi** (Design and Environment) received the International Real Estate Society Achievement Award 2008 at the America Real Estate Society Conference, USA.
- Prof **Wong Tien Yin** (Medicine) was awarded the Australian Society for Medical Research-AMGEN Medical Researcher Award for outstanding contribution to Translational Research, Australia.
- Dr **Zhang Xiaodong** (Duke-NUS) received the 2008 Young Investigator Award from the National Alliance for Research on Schizophrenia and Depression, USA.
- Assoc Prof **Thompson Teo** (Business) was ranked 19th Most Prolific IS Researcher in the World and 12th Most Prolific IS Researcher in key European IS journals, by the European Journal of Information Systems.
- Prof **Kua Ee Hock**, Assoc Prof **Ng Tze Pin**, Prof **Goh Lee Gan**, Dr **Yap Keng Bee**, Dr **Matthew Niti** and Assoc Prof **Tan Chay Hoon** (Medicine) received the International Psychogeriatric Association Awards in Osaka, Japan for their research study on cognitive decline and interaction.



- NUS Tan Chin Tuan Centennial Professor **Barry Halliwell** (Medicine) was cited as top in free radical research in a ranking by the Ion Channel Media Group (Canada) which identifies top laboratories in key areas using citation data.
- Assoc Prof **Leow Wee Kheng** (Computing) and Assoc Prof **Marcelo Ang** (Engineering) won the Andrew P Sage Best Transactions Paper Award for best paper published by Institute of Electrical and Electronic Engineers (IEEE), Montreal, Canada.
- Assoc Prof **Vivien Lim** (Business) was co-runner up for the Outstanding Publication in Organisation Behavior Award by the Organisational Behavior Division at the Academy of Management, USA.
- Prof **Donald Tan** (Medicine) was presented with the Best Paper Award in the Cornea Free Paper Session, American Academy of Ophthalmology Meeting, New Orleans, USA.
- Dr **Perry Yang** (Design and Environment) won first prize at Eco-city: Xiamen's New Downtown at Maluan Bay International Competition, China.
- Assoc Prof **Ong Seow Eng** (Design and Environment) was elected to the American Real Estate and Urban Economics Association Board – a first for an academic from a non-North American university.
- Assoc Prof **Chandra Sekhar** (Design and Environment) was appointed Fellow of ASHRAE, American Society of Heating, Refrigerating and Air-Conditioning Engineers, New York, USA.
- Emeritus Prof **Lee Seng Lip** (Engineering) was conferred the ASEAN Federation of Engineering Organisations Honorary Fellowship.

- Dr **Simon Avenell** (Arts and Social Sciences) received the Daiwa Japan Forum Prize for his article, Regional Egoism as the Public Good: Residents' Movements in Japan during the 1960s and 1970s.
- Prof **Charanjit Singh Bhatia** (Engineering) received the IBM Faculty Award for his project Fabrication, Characterisation and Performance of Thin Film Si Photovoltaic (PV) Cells.



- Prof **Choo Yoo Sang** (Engineering) is the first Asian President to helm IMarEST (Institute of Marine Engineering, Science and Technology).
- Prof **Heng Chye Kiang** (Design and Environment) was appointed Member, Architecture Academic Advisory Committee of the Chinese University of Hong Kong.
- Prof **Goh Thong Ngee** (Engineering) won the 2007 William G Hunter Award, Statistic Division of the American Society for Quality, Florida, USA and was inaugural recipient of the Masing Book Prize of the International Academy for Quality.
- Dr **Ismail Erwan**, Dr **Hee Hwan Tak**, Assoc Prof **James Goh** and Prof **Wong Hee Kit** (Medicine) won the Best Asia Pacific Orthopaedic Association (APOA) 2007 Poster Award at the 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea.
- Assoc Prof **Abhik Roychoudury** (Computing) and his team won the Young Inventors' Silver Award in the Open Category of the Tan Kah Kee Young Inventors' Awards 2008.
- Assoc Prof **Chan Yew Lih** (Design and Environment) was awarded Honorable Mention by UNESCO Asia Pacific Heritage Awards 2007 for her project on the old St Andrew's School.



- Nine researchers, Profs **Michael Chee**, **David M Virshup** (Duke-NUS), **Daniel G Tenen**, **Wong Tien Yin**, Assoc Profs **Aung Tin**, **Ong Sin Tiong**, **Allen Yeoh Eng Juh**, **Tan Eng King** and **Chng Wee Joo** (Medicine) received national grants – the Singapore Translational Research Investigator and the Clinician Scientist Awards, to further their areas of research in neuroscience, cancer, vascular diseases and glaucoma.
- Prof **Neal Chung**, Assoc Prof **Ding Jun** (Engineering), Assoc Prof **Loh Kian Ping** (Science) and Assoc Prof **Markus Wenk** (Medicine/Science) were each awarded a research grant of \$10 million by the National Research Foundation through its inaugural Competitive Research Projects Programme, Singapore.
- Dr **Peter Ho** (Science) won the Temasek Young Investigator Award 2007.
- Dr **Kao Shih Ling** (Medicine) was awarded the Minister for Health Award, Singapore.
- Prof **Li Baowen** (Science) was presented the World Scientific (Physics Research) Medal and Prize 2007.
- Assoc Prof **Manoor Prakash Hande** (Medicine) received the Outstanding Science Mentorship Programme Mentor Award from the Ministry of Education at the Science Mentorship Programme 2007 at the 13th Youth Science Conference, Singapore.
- Assoc Prof **Ng Hwee Tou** (Computing) was presented the Defence Technology Prize Team Award (R&D) for his outstanding technological contributions to Natural Language Processing.
- Assoc Prof **Saw Seang Mei** (Medicine) won the Eye Institute-Pfizer Research Prize for Outstanding Original Paper, Singapore.



- Four NUS scientists won the 2007 National Science and Technology Awards, Singapore's highest honour in science and technology. Dr **Ng Huck Hui** (Science) won the National Science Award for his outstanding research in gene regulation in stem cell biology. Team comprising Prof **Jon Berrick** and Assoc Prof **Wu Jie** (Science) won the Award for their work on the theory of braids. Dr **Ng How Yong** (Engineering) was awarded the Young Scientist Award for developing novel ways to produce ultra-clean water and clean energy using fuel cells powered by micro-organisms.
- Adjunct Prof **Tay Kheng Soon** (Design and Environment) won the Passive and Low Energy Architecture (PLEA) 2007 Award, Singapore, in recognition of his sustained and invaluable contributions to the topic areas.
- Dr **Tarun Kuman Maheshwari** (Medicine) won the Young Investigator's Award (Gold) by the National Healthcare Group, Singapore.



- Profs **Yap Hui Kim, Donald Tan, Lee Eng Hin** (Medicine) and Prof **Soo Khee Chee** (Duke-NUS) received the inaugural National Medical Excellence Awards by Ministry of Health.
- Dr **Yu Hao** (Science) received the Singapore Youth Award 2007.

BENEFACTORS

The University received a total of **10,448** gifts amounting to **\$119.7 million** from **6,528** donors. These gifts attracted **\$113.5 million** in government matching grants. A total of **\$43.7 million** in new pledges was also committed.

Major gifts and pledges include the following:



- **Yong Loo Lin** Trust made an endowment gift of \$25 million to the Yong Siew Toh Conservatory of Music in support of scholarships and special projects at the Conservatory.
- **Lien Foundation** has committed \$7.5 million in support of the Lien Centre for Palliative Care at the Duke-NUS Graduate Medical School Singapore (Duke-NUS). The first of its kind in Asia, the Centre will focus on end-of-life and palliative care research.
- **Goh Foundation** gave \$6 million to groom physician-scientists at Duke-NUS. The gift will support outstanding local and international students at the School.
- **Lee Foundation**, Singapore, made a gift of \$1,875,000 to establish the Alice Lee Research Fellowship in Paediatric Infectious Diseases at the Alice Lee Centre for Nursing Studies at NUS' Yong Loo Lin School of Medicine.
- Dr **Lee Seng Tee** gave \$1.4 million to set up the S T Lee Project on Global Governance at the Lee Kuan Yew School of Public Policy. It will enable the School to make an impact in the global governance arena, by encouraging dialogue and exchange of ideas among leading and emerging thinkers and practitioners of the world, in particular from Asia.
- The Asia Research Institute received a pledged gift of \$1,377,370.00 from the **Wellcome Trust** to support study on Transnational Migration in Southeast Asia and Health of Children Left Behind.

- Dr **Khoo Boo Chai** (Class of 54) made a gift of shares valued at \$1,064,800 and rare medical books to help set up a surgery resource centre at NUS. The Khoo Boo Chai Athenaeum will help advance medical research in the field of surgery.
- The William Lim Siew Wai Fellowship in Cultural Studies in Asia, the first such comprehensive programme in Asia to be taught exclusively in English, was made possible by a \$1 million gift from Prof **William Lim**.



- **Kidney Dialysis Foundation (KDF)** pledged \$900,000 to establish the KDF-NUS Kidney Research Fund. The Fund will sponsor joint research programmes into the prevention, treatment and cure of kidney and kidney-related diseases.
- **Temasek Foundation's** gift of \$850,000 to set up the Temasek Foundation (TF)-NUS Leadership Enrichment and Regional Networking (LEaRN) Programme will enable top undergraduates from NUS and the region to participate in student exchange and be immersed in the local community through community service.
- **Great Eastern** celebrated its centenary with \$500,000 gift to help needy students. The gift will benefit up to 20 NUS students every year.
- **The Wan family** pledged a gift of \$500,000 to set up the Wan Boo Saw Prize Award and the Annie Tan Medal & Prize.
- **Singapore medical professionals** answered a call by the **Singapore Medical Association (SMA)** and gave a total of \$468,820 to help needy medical students cover living expenses.
- Dr **Lam Kin Chung** and Dr **Ho Hau-Wong** pledged gifts of \$400,000 each to set up the Mahatma Gandhi-Daisaku Ikeda Peace Research Programme at the East Asian Institute.

- **Far East Organisation** made a \$325,000 gift to Viva-University Children's Cancer Centre at the National University Hospital. The gift will support the creation of a 4-bed in-patient room at the Centre.
- **Singapore Totalisator Board** made a gift of \$300,000 to support concerts at the Yong Siew Toh Conservatory of Music.
- The **Estate of Linn In Hua** made a gift of \$300,000 to establish the Linn In Hua Bursary.
- Led by Mr **Yeo Keng Joon** (Class of 85), a group of **Business School alumni** raised \$275,000 to support bursaries at the School.
- Mr **Lim Joo Hock** (Class of 52) and family made a gift of \$250,000 to set up the Lim Hong Chin Memorial Scholarship – the first named scholarship at the School of Computing.
- The **Straits Trading Company Ltd** honoured its late Chairman Howe Yoon Chong (Class of 49) with a \$250,000 gift to NUS Department of Economics to support student bursaries.
- A gift of \$250,000 from **World Dental Education Society** will support up to 10 Dentistry students on the Overseas Enrichment Programme each year. The students will get to experience learning in renowned dental schools worldwide.



A new undergraduate leadership programme at NUS allows future young leaders in ASEAN a chance to actively influence policy-making in the region, thanks to a gift of more than \$220,000 from the Temasek Foundation.

The **Temasek Foundation-National University of Singapore Model ASEAN Fellowship Programme** comprises a conference and follow-up projects in different ASEAN locations.

More than 60 student delegates from top universities in ASEAN took part in the inaugural Model ASEAN Conference 2007. They will present their recommendations to the ASEAN Secretariat by 2009.

ALUMNI

- The Medical Alumni Association celebrated its 84th Anniversary Reunion Dinner where Prof Arthur Lim, a renowned ophthalmologist was announced the new President of the Association. At the occasion, NUS President Prof **Shih Choon Fong** and Dato **Lim Kee Jin**, first chairman of the Malaysian Medical Association were conferred Honorary Membership while Dr **William Chew** and Dr **Peter Tay**, former chairpersons of the Association, were awarded the Alumni Gold Medal for their invaluable contributions.
- The Council for Advancement and Support for Education (CASE) conferred upon NUS President Prof **Shih Choon Fong** the CASE Chief Executive Leadership Award, a first in the Asia-Pacific region, in recognition of his role in strengthening alumni relations.



- The **Bukit Timah Campus Opening Celebrations**, which included homecoming programmes, was attended by more than 1,000 alumni, students, staff, benefactors and stakeholders.
- The **Shaw Foundation Alumni House** is nearing completion. In this new home on campus, alumni will enjoy ample opportunities to connect with one another and the campus community.
- **Overseas Chapters' Virtual Community** was launched on the *AlumNET*. The online global alumni community was developed on a new platform with separate sites created for all 14 NUS Overseas Alumni Chapters.
- A new publication, *Local Alumni Groups Guidebook* was launched. It is a resource manual providing alumni groups, Faculties and Halls with information on local alumni groups as well as tips for connectivity with establishing new alumni groups.



- Alumnus Prof **Saw Swee Hock**, member of the NUS Board of Trustees and Professorial Fellow at the Institute of Southeast Asian Studies, was honoured by Xiamen University with the conferment of the title of Honorary Professor in recognition of his outstanding academic achievement and extensive philanthropic work.



- Alumnus Dr **William Tan** battled overwhelming odds and broke the world record for seven marathons across seven continents – in 26 days, 17 hours, 43 minutes and 52 seconds.
- **Eusoff College** and **Eusoff Hall** celebrated their 50th Anniversary with events throughout the year.

EDUCATION

- East Asia and Pacific Summer Institutes for US Graduate Students spearheaded by Singapore's National Research Foundation will facilitate up to 15 US graduate students in science and engineering to study at NUS.
- The first batch of 39 NYU@NUS students graduated, with each receiving Master of Laws degrees from both the New York University School of Law and NUS at Commencement 2008. The NYU@NUS offers students a unique opportunity to benefit from distinct methodology and style of American legal system while becoming proficient in Asian law and perspectives.



- Yong Siew Toh Conservatory of Music saw its pioneer batch of 44 graduates in July 2007.
- The BBA (Accountancy) programme offered by the NUS Business School (BIZ) is fully accredited by the Accounting and Corporate Regulatory Authority of Singapore (ACRA). BIZ also obtained accreditation from Certified Practising Accountant Australia.
- New double-degree programmes providing inter-disciplinary exposure include computer science and mathematics; computer science and applied mathematics; computer science and business administration; computer science and accountancy; information systems and business administration; and information systems and accountancy.
- The Lee Kuan Yew School of Public Policy introduced four new graduate-level double degree programmes with the Faculty of Law and BIZ: Master of Laws-Master in Public Administration (LLM-MPA); Master of Laws-Master in Public Policy (LLM-MPP); Master of Business Administration-Master in Public Policy (MBA-MPP) and Master of Business Administration-Master in Public Administration (MBA-MPA).

- NUS Faculty of Law and the New York University's (NYU) School of Law launched a Bachelor of Laws (LLB) and Juris Doctor (JD) dual degree programme (the NYU-NUS Dual JD/LLB Programme).
- A new concurrent degree programme offering a Bachelor of Laws from NUS and Masters of Laws from New York University (NYU) was also launched.
- A new joint Master of Psychology (Clinical) degree programme was offered by NUS in collaboration with the University of Melbourne.
- A Doctor of Medicine degree programme was jointly offered by Duke-NUS Graduate Medical School (Duke-NUS) and Duke University.
- A new framework was established for Double Majors programmes in NUS with 28 second majors offered by the Faculty of Arts and Social Sciences, Faculty of Engineering and Faculty of Science.
- A new Joint Minor programme between the NUS Faculty of Science and the University of Toronto was introduced with three minors being offered: Environmental Biology, Environmental Chemistry and Nanoscience.
- New graduate degree programmes include:
 - ~ Doctor of Cultural Studies in Asia by Faculty of Arts and Social Sciences
 - ~ Doctor of Philosophy by the Division of Engineering and Technology Management, Faculty of Engineering
 - ~ Doctor of Philosophy Programme by Centre for Quantum Technologies
 - ~ Master of Psychology (Clinical) by Faculty of Arts and Social Sciences
 - ~ Master of Engineering by the Division of Engineering and Technology Management, Faculty of Engineering
 - ~ Master of Clinical Investigation by Yong Loo Lin School of Medicine
 - ~ Master of Public Health by Yong Loo Lin School of Medicine
 - ~ Master of Landscape Architecture by School of Design and Environment
 - ~ Master of Laws (Asian Legal Studies) by Faculty of Law
 - ~ Master of Laws (Maritime) by Faculty of Law
- New specialisations for graduate degree programmes include:
 - ~ Finance, Marketing Strategy and Organisation for Master of Business Administration

- ~ Critical Care for the Master of Nursing programme to provide nurses the opportunities to undertake health services research proposed by the Ministry of Health
- ~ Global Health for Master of Public Health programme to equip students with the skills to identify and develop public health programmes to address global health.
- Commencement 2008 saw the pioneer graduates for:
 - ~ Bachelor of Social Sciences (Actuarial Studies and Economics), a joint honours degree programme with Australian National University (ANU)
 - ~ Bachelor of Computing (Computational Biology)
 - ~ Master of Arts (Industrial Design)
 - ~ Doctor of Philosophy: NUS-École Supérieure d'Électricité Joint Degree Programme
 - ~ Master of Science (Geotechnical Engineering)
 - ~ Master of Laws: NUS-New York University Double Degree Programme
 - ~ Master of Laws (Asian Legal Studies)
 - ~ Master of Laws (Maritime Law)
 - ~ Master of Public Health
 - ~ Master of Science (Chemical and Pharmaceutical Engineering)
 - ~ Doctor of Philosophy: NUS Graduate School for Integrative Sciences and Engineering
 - ~ Master in Public Administration: Lee Kuan Yew School of Public Policy

New programmes providing global exposure

- NUS collaborated with Harvey Mudd College, USA, in an inaugural Global Clinic Programme providing team building and participation in cross-cultural immersion programmes.
- NUS and Boston University signed a university-wide exchange agreement, enabling exchange of up to 40 students each year – one of the largest exchange numbers with a North American partner university.
- University Scholars Programme (USP) introduced a new module, *The Politics of Heritage* focusing on the relationship between cultural heritage and contemporary political and social situations. More than 33 students visited Siem Reap and Phnom Penh for an in-depth understanding of Cambodia.

- The University Scholars Programme (USP) launched a new initiative, Temasek Foundation-NUS Model ASEAN Fellowship Programme to bring together undergraduate students from top ASEAN universities to discuss issues of importance to the region.
- The United Nations Youth Association of Singapore and USP launched the inaugural Global Education Seminar, providing a platform for Singapore students to meet and discuss the United Nations Millennium Development Goals.
- USP students initiated a Global Programme to understand the dynamics of European Union as a model for ASEAN.
- USP signed an exchange agreement with University of Delhi, providing opportunities for up to seven students per year to study at each other's university.



- A new study trip to India enabled 11 USP students to study the culture and livelihood of communities in Northern India.
- Venture Yunnan 2007 took a team of students to the countryside of Kunming with the aim to improve educational condition for the children there.
- Eight students from Yong Siew Toh Conservatory of Music participated in the Australian International Summer Orchestra Institute.
- Nine Communications and New Media students had the benefit of internship attachments with organisations such as Asia Pacific Breweries, BatesAsia, Baldwin Boyle Shand and Edelman Public Relations Worldwide.
- A group of 11 School of Computing students visited Dalian, China in the inaugural Overseas Exploratory Project, aimed at exposing students to the operational details of running global centres by both local and foreign companies.

RESEARCH

- Led by Saw Swee Hock Centennial Professor **Daniel Tenen**, the Cancer Research Centre of Excellence (RCE) is Singapore's second RCE after the Centre for Quantum Technologies, both hosted at NUS. NRF and MOE will support the Cancer RCE with a total funding of \$172 million over seven years.
- The **Clinical Imaging Research Centre (CIRC)** was established in NUS in collaboration with A*STAR and Siemens Medical Solutions, with a US\$2.5 million grant from Siemens to support translational medical research efforts.



- A **Centre for Translational Medicine (CeTM)** will be established within NUS, housing state-of-the-art research and teaching facilities. To be completed by 2010, the Centre will synergise the tripartite mission of clinical excellence, research and medical education. The labs will be staffed by some of the world's most talented researchers striving for solutions to Asia's medical challenges. Clinical facilities include a virtual hospital providing simulation training for medical students.
- Singapore's first **Centre for Hazards Research** was established at NUS in November 2007. The new institution will generate and disseminate knowledge on natural hazards through research and education. Helmed by Prof Koh Chan Ghee, the centre aims to become a natural hazards information and resource hub in Singapore and the region.
- Opened by the Minister of Trade and Industry, Mr Lim Hng Kiang, the **Energy Studies Institute (ESI)** was established at NUS to meet the need for an organised approach to energy policy-making and planning in Singapore and to develop expertise in the field. The institute is Southeast Asia's first think-tank on energy issues.

- Jointly established by the Economic Development Board and NUS at a cost of \$130 million over five years, the **Solar Energy Research Institute of Singapore (SERIS)** aims to conduct research in the production of silicon-based solar cells and create more effective photovoltaic devices that can convert light into electricity. Prof Joachim Luther, a leading expert in solar energy applications and technology, heads the institute.
- NUS established a multidisciplinary **Virtual Institute for the Study of Ageing**. This is a collaborative effort involving researchers from Faculty of Arts and Social Sciences, Lee Kuan Yew School of Public Policy, Asia Research Institute, Yong Loo Lin School of Medicine, Alice Lee Centre for Nursing Studies, School of Computing, as well as experts from other organisations and institutes such as A*STAR.
- The **Social and Cognitive Lab** was set up within the Interactive and Digital Media Institute at the Faculty of Arts and Social Sciences, providing an interdisciplinary setting where social science and humanities-related research is brought to bear on interactive and digital media issues.
- With neuroscience identified as a key area of research priority in Singapore, **Duke-NUS Graduate Medical School** has stepped up its research collaboration with other bodies, including tying up with A*STAR in a Neuroscience Research Partnership with focus on translational research. The Duke-NUS Neuroscience and Behavioural Disorders team is also working with the Institute of Mental Health on a national study of schizophrenia and other psychotic disorders.
- The National Research Foundation's inaugural **Research Fellowship scheme** has selected 10 Research Fellows from applicants worldwide, four of whom will be based at NUS and one at the Temasek Life Sciences Laboratory. Each Research Fellow will receive a three-year research grant of up to US\$1.5 million.
- The National Research Foundation's **Competitive Research Programme Funding Scheme** has awarded grants to four NUS research projects in the areas of lipidomics, graphene, spintronics and membrane technology.
- Dr Yaacob Ibrahim, Minister for the Environment and Water Resources launched the **Pandan Project** under the Singapore-Delft Water Alliance, a collaborative effort between NUS, the Public Utilities Board and Delft Hydraulics of The Netherlands. The multi-million dollar facility for urban freshwater management programme aims to develop adequate and cost-effective water improvement measures.

- **NUS Risk Management Institute** embarked on its first collaboration with the Singapore Exchange, paving the way for more research cooperation in financial products and services.

Examples of significant research findings and projects

- Collaboration between NUS, NUH and Riken – Japan’s oldest and most established research institution – has spawned a study for a new technology to look into molecular diagnostics for lung cancer. The potential results will deliver faster and cheaper diagnosis for effective administration of personalised therapy for lung cancer patients.
- Prof **Andrew Wee** (Science) and his team successfully demonstrated the fabrication of nanostructure arrays through a novel approach. The process plays a major role in the development of nanoscale molecular devices. Their paper made cover story in *Applied Physics Letters*.
- A team led by Assoc Prof **Alirio Melendez** (Medicine) discovered protein ES-62, in roundworms, which may prevent asthma. Their paper was published in *Nature Medicine*.
- Dr **Bae Seongtae** (Engineering) and his team developed chitosan-coated magnetic nanoparticles with promising self-heating temperature-rising and superior biocompatible characteristics, which make them ideal as in-vivo hyperthermia agents. Their findings were highlighted by USA’s *Nanowerk Spotlight* and published in *Applied Physics Letters* as well as other journals.



- Dr **David Bickford** (Science) and team made the first discovery of a lungless frog – a rare species found in the jungles of Borneo. Their discovery was widely featured in publications including *New Scientist* and *Current Biology*.

- Prof **Ding Jeak Ling** (Science) and her team discovered how C-reactive protein helps fight infections. Their paper was published in the *European Molecular Biology Organisation Journal*. They also found that haemoglobin produces free radicals that fight bacteria. This was published in *Nature Immunology*.
- Scientists led by Assoc Prof **Einar Wilder-Smith** (Medicine) have discovered a new technique to detect nerve disorder – by applying a type of cream on fingers. Their discovery was featured in *Journal of Neurology, Neurosurgery & Psychiatry*.
- Prof **Hew Choy Leong** (Science) has made research findings which will facilitate the studies of the Shrimp White Spot Syndrome Virus assembly and its mechanism of entry. This will contribute greatly to the discovery of antiviral drugs – a necessity in boosting the shrimp culture industry.
- Assoc Prof **Kay O’Halloran** (Arts and Social Sciences) was given a grant of \$2.65 million by the National Research Foundation – Media Development Authority of Singapore, for her research on Interactive Digital Media.
- Research on the function of genes and proteins by Assoc Prof **Ken Sung Wing-Kin** and Prof **Wong Lim Soon** (Computing) achieved the highest prediction accuracy at the *DREAM2 Challenge on Biological Network Inference*, jointly organised by IBM Computational Biology Center and Columbia University.
- In collaboration with the National Neuroscience Institute, Dr **Koh Woon Puay** (Medicine) and a team of researchers discovered that drinking black tea reduces the risk of developing Parkinson’s Disease among the Chinese population in Singapore. Their findings were published in the *American Journal of Epidemiology*.
- Dr **Li Daiqin’s** (Science) study of Jumping Spiders has led to a discovery of the species’ ability to communicate through UV light. Besides altering how scientists will conduct animal behavior and communication studies in future, this finding will also help in the analysis and production of nanomaterials which reflect UV light.
- Led by Assoc Prof **Lim Thiam Chye** (Medicine), a team of scientists from NUS and NUH made a breakthrough which was showcased at the International Conference on Advances in Bioresorbable Biomaterials for Tissue Engineering. Their discovery on bioresorbable scaffolds will enable surgeons to mend skull fractures without titanium plates.



- Dr **Liu Xiaogang** (Science) and his team have discovered a novel membrane which can repel water and absorb oil. These findings were published in *Nature Nanotechnology*. Working with another team, he has filed a patent for a colorimetric detection system using gold nanoparticles and DNA. These findings were published in the *Journal of the American Chemical Society*.
- A team from the NUS Organic Nano Device Laboratory, led by Dr **Peter Ho** (Science), has created a revolutionary carbon-based solution that enables plastic to conduct electricity.
- Dr **Wong Nyuk Hien** (Design and Environment) led a study on climatic mapping, using the NUS campus as a case study. His findings provided an understanding of the campus' environmental conditions and identified the hot spots so that measures can be taken to mitigate the problem. His research illustrates the importance of climatic mapping, especially with global warming.
- Prof **Navjot S Sodhi** (Science) in collaboration with Assoc Profs **Alan Tan Khee Jin** (Law) and **Maribeth Erb** (Arts and Social Sciences), have co-edited a book titled *Biodiversity and Human Livelihoods in Protected Areas* published by Cambridge University Press. The book puts into perspective multi-disciplinary and disparate views in protected areas.
- Prof **Kishore Mahbubani** (Lee Kuan Yew School of Public Policy) launched his new book titled *The New Asian Hemisphere: The Irresistible Shift of Global Power to the East* published by Perseus Books Group.

ENTERPRISE

- 144 students experienced entrepreneurship through the **NUS Overseas Colleges (NOC) Programme** and **iLEAD (innovative Local Enterprise Achiever Development) Programme**, where students were sent as interns to overseas and local enterprises while taking entrepreneurial-related courses.
- NUS Entrepreneurship Society (NES), One of NUS Entrepreneurship Centre (NEC)'s supported student organisations, launched the **ASEANpreneurs** initiative with the inaugural ASEAN Student Entrepreneurship Network Summit on 21 May 2008. It is a student initiative dedicated to promoting entrepreneurship in the ASEAN region.



- NUS Entrepreneurship Society, with support from NUS Entrepreneurship Centre and NUS Business School Alumni Association (NUSBSA), organised **Start-Up@Singapore 2008**. The 8-month long competition culminated in May 2008 with the Awards Ceremony which was graced by Minister of Finance, Mr Tharman Shanmugaratnam. This annual nationwide business plan competition is into its **10th** year and has seen many promising entrepreneurs taking their ideas into fruition in the market. NEC, together with NUSBSA, initiated the annual S@S business plan competition in 1999. Over the years, student leaders from the NES have become increasingly involved in the organisation of the competition, and in the last 3 years have assumed full organisation role.
- Many **NOC alumni** continued in their entrepreneurial passion upon returning from their overseas stint. Such was Liu Tianyao, who returned to Singapore and spearheaded the 3S-Comaea AB (Asia Headquarter). 3S-Comaea is a small Swedish tech firm that posted a 20 million Swedish kronor (S\$4.5 million) turnover in the 2007 fiscal year and has a portfolio of internationally renowned clients such as Volvo and KPMG. Other achievements of NOC Alumni include the setting up of the following companies – *NeatReceipt (Technology and Business solutions)*, *Homespace (Real Estate Solutions)*, *Dream Axis Pte Ltd (Virtual World)*, *ZopIM (Web Services)* and *First Meta (Virtual Credit Card)*.

CAMPUS DEVELOPMENTS



- The schematic design for the new Business School building has been finalised. When completed in 2009, the **Mochtar Riady Building** will be NUS Business School's new flagship building. Its groundbreaking ceremony was officiated by then Minister for Education, Mr Tharman Shanmugaratnam on 12 Nov 2007.



- Prime Minister Mr Lee Hsien Loong officiated at the groundbreaking ceremony of **University Town** at the former Warren golf course site on 31 January 2008. It was also graced by Mr Teo Chee Hean, Minister for Defence, senior government officials, university partners, and members of the NUS Board of Trustees.
- The design development of Phase II Project for staff housing in **Kent Vale** is on-going, with 300 additional units including service apartments being planned.



- With the Yong Loo Lin School of Medicine, Faculty of Dentistry and the National University Hospital brought under a common governance and renamed the **National University Hospital System (NUHS)**, a new flagship building, Centre for Translational Medicine was launched by Prime Minister Mr Lee Hsien Loong at a groundbreaking ceremony on 8 April 2008. Two new national centres were also created under the new system: the National University Cancer Institute and the National University Heart Centre.



- The first phase in the restoration of the **Baba House** at 157 Neil Road was completed. Miss Agnes Tan, last surviving daughter of the late Straits Chinese community leader Tun Cheng Lock, donated \$4 million to NUS to acquire and restore the house to teach young people about Peranakan heritage history, culture and identity architecture.

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