



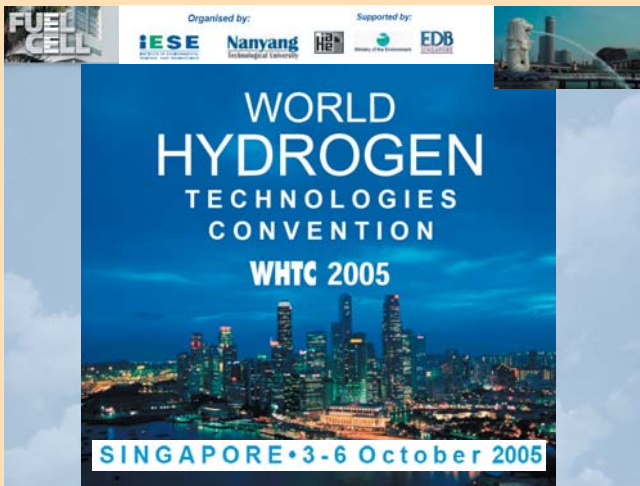
> Conferences & Symposiums

NTU continuously organized and hosted symposiums & conferences every year. Symposiums and conferences will serve as platform/forum for researchers in similar field to discuss and exchange ideas and knowledge related to the specific topic. Attended by world-wide experts and distinguished guests, these will also create the opportunities to showcase research in NTU.

Biology in Asia International Conference
(From left) SIBiol President Assoc Prof Shirley Lim, Education Minister Mr Tharman Shanmugaratnam, SIBiol Vice-President Assoc Prof Lim Tit Meng, and NIE Director Prof Leo Tan



NTU at Forefront of Singapore's Pursuit of Clean Renewable Energy



NTU's School of Mechanical and Aerospace Engineering (MAE) and Institute of Environmental Science & Engineering Pte Ltd (IESE Pte Ltd), a wholly owned subsidiary of NTU Ventures, are organizing the very first World Hydrogen Technologies Convention (WHTC). The convention brings together top scientist from all over the world to discuss the state of hydrogen-based technologies as a viable alternative.

"Recent events such as Katrina have further reinforced the urgency of our pursuit for an alternative energy, and Hydrogen could well be the solution. NTU will continue to ride on its strengths in science and engineering to advance research in renewable energy and clean technologies to bring about self-sufficiency for future generations."

Assoc Prof Chan Siew Hwa,
School of Mechanical & Aerospace Engineering
WHTC's Technical Programme Chairman

IPEC2005: "Towards More Reliable, Secure and Efficient Power Markets"

The Seventh International Power Engineering Conference (IPEC2005) was held in Singapore, from 29 November to 2 December 2005, at the Marina Mandarin.

The biennial event was first started in 1993 and 6 IPEC conferences have been held to date. All the previous 6 IPECs were very successful, with some 200 delegates from 23 to 25 countries participating on each occasion. IPEC2005 was co-organized by the Nanyang Technological University (NTU), Singapore Power Ltd, Institution of Engineers, Singapore (IES), the IEE Singapore Branch, the IEEE Power Chapter Singapore and the National University of Singapore (NUS).

The recent changes to the electricity supply industry and potential security threats require re-examination of the reliability, security and operational issues of power markets and infrastructure design. IPEC2005 continues to provide a forum for researchers and practicing engineers in industry alike to promote, discuss and exchange knowledge and experiences related to the field of electrical power engineering.



Opening Ceremony of IPEC2005 at Marina Mandarin

5th International Conference on Information, Communications and Signal Processing (ICICS2005)

ICICS2005, the fifth International Conference on Information, Communications and Signal Processing was held from 6 to 9 December 2005 at the Grand Hotel, Bangkok, Thailand. The conference is organized jointly by the School of Electrical and Electronic Engineering (EEE), Nanyang Technological University and the Faculty of Engineering, King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand, in co-operation with the Research Center for Communication and Information Technology,

Thailand. The conference received a record submission of 650 papers, and some 300 delegates. ICICS2005 offers a superb array of keynote speeches, tutorials, special sessions, technical sessions, and exhibitions. The conference was technically co-sponsored by the IEEE Communications Society, IEEE Signal Processing Society, IEEE Circuits and Systems Society, IEEE Singapore Communications Chapter, IEEE Singapore Signal Processing Chapter, IEEE Singapore Circuits and Systems Chapter, and IEEE Communications Society, Thailand Chapter.



Opening ceremony: (From left) Prof Koh Soo Ngee, Prof Alex Kot, Assoc Prof Li Kwok Hung, Prof E Biglieri (keynote speaker), Prof Kam Chan Hin, Prof Er Meng Hwa, Assoc Prof Kittir Tirasesth (President, KMITL), Prof M.N.S. Swamy (keynote speaker), Assoc Prof O Pinnern (KMITL), Assoc Prof J Ngamwiwit (KMITL), Assoc Prof N Chotikakamthorn (KMITL), and Dr. Apinun (KMITL)

14th Annual Asia Media Information and Communication (AMIC) Conference 第十四届亚洲传媒信息与传播中心年会



The 14th annual AMIC conference, co-sponsored by the School of Communication and Information (SCI) and co-organized by Communications University of China (CUC), was held at the Kunlun Hotel in Beijing from 18th-21st July 2005. The theme entitled "Media and Society in Asia: Transformations and Transitions" covered a range of topics that included wireless information societies and disaster coverage to media policy and communications theories.

The conference was started by Mr. Tian Jin, Vice Minister of The State Administration of Radio and others who attended include Dr. Shashi Tharoor, Under Secretary-General of the United Nations, Mr. Yuan Zhenguo, Deputy Director, Social Science Research and Ideological Work Department, the Ministry of Education, People's Republic of China, and Prof. Liu Jinan, President of the Communication University of China.

Being AMIC's first annual conference in China, it received overwhelming response from sponsors and delegates. Many experts and distinguished guests were present at the conference. The Grand Gala opening dinner of the conference was held in the prestigious Great Hall of the People in Tiananmen Square.

由南大传播与信息学院协办的第十四届亚洲传媒信息与传播中心年会于七月十八号到二十一号在北京昆仑饭店举行。会议由中国传媒大学承办。

本次年会的主题是“亚洲的媒体与社会：过渡与变迁”。这是亚洲传媒信息与传播中心年会首次在中国举行。中国广播电视总局副局长田进先生到会并致开幕词。

来自32多个国家的253名新闻业界精英与学者出席了此次亚洲新闻传播界最大的学术会议。规模盛大的开幕晚宴在庄严的人民大会堂举行。



4th Conference of Media & Communication in Chinese Civilization 第四界世界华文传媒与华夏文明传播国际学术研讨会



School of Communication and Information (SCI) co-organised the 4th Conference of Media & Communication in Chinese Civilization at the Chinese University of Hong Kong from 23rd to 27th September 2005, with the China Association of Journalism History, the School of Journalism and Communication of the Chinese University of Hong Kong, and the School of Journalism and Communication of Huazhong University of Science and Technology. SCI was the founding organizer of the conference series, which aimed at enhancing academic exchanges among scholars from China's mainland, Taiwan, Macao and overseas, and

examining the current development of media and communication in Chinese societies. More than 100 communication scholars attended the conference.

传播与信息学院与香港中文大学新闻与传播学院，中国新闻史学会，华中科技大学新闻与信息传播学院于2005年九月二十三号到二十七号在香港中文大学联合主办了第四界世界华文传媒与及华夏文明传播国际学术研讨会。传播与信息学院是首届会议的发起者及主办单位。这一会议旨在促进中国内地，台湾，香港，澳门及其他地区华人新闻学者的学术交流，及探讨世界各地华人新闻传播事业的发展。此次会议吸引了100多名传播学学者参加。



Oxford Internet Institute (OII) Summer Doctoral Seminar 牛津大学互联网研究所 (OII) 博士生夏令营

Assoc Prof Ang Peng Hwa, Dean of School of Communication and Information (SCI), and Assoc Prof Randolph Kluver, Executive Director of the Singapore Internet Research Centre, were invited by the Oxford Internet Institute, the premier internet research centre in the world, to teach doctoral students from around the world under the OII Summer Doctoral Program. The program was conducted in Beijing from 7th to 21st July 2005 with the help of the Chinese Academy of Social Sciences. The program was important especially with the rapid growing prominence of Asia (China, in particular) and increasing exposure to the Internet that exhibits language and culture

diversity. China currently has the second largest number of Internet users in the world and is expected to surpass the US in the near future.

受世界著名互联网研究中心 – 牛津大学互联网研究所的邀请, 传播与资讯学院院长汪炳华副教授与新加坡互联网研究中心执行主任 Randolph Kluver 为牛津大学博士生夏令营的来自世界各地的博士研究生授课。此次夏令营在中国社科院的资助下于2005年七月七号至二十二号在北京举行。本次夏令营之所以选择在中国举办, 是因为随着亚洲和中国的掘起, 互联网呈现多语言, 多文化的特性。这一特性正受到人们越来越多的关注。中国当前的互联网用户雄居世界第二, 并在不久的将来有望超越美国, 占据榜首。

AMIC Launched Radio Asia 2005 Conference at Broadcast Asia

Asia Media Information and Communication (AMIC) successfully organized the first ever Radio Conference entitled, "Asian Radio at the Cross Roads: A New Paradigm in the Digital Age", co-sponsored by School of Communication & Information (SCI). Some 150 delegates from 28 countries attended the three-day conference held between 15th and 17th June 2005 at the Singapore Expo in conjunction with "Broadcast Asia, 2005", an International Electronic Media Technology Exhibition & Conference. AMIC's Secretary-General, Assoc Prof Indrajit Banerjee from SCI, delivered the keynote address at the conference entitled, "Radio: Surviving in the Digital Age". Organised by AMIC, the Asia-Pacific Broadcasting Union (ABU) and Singapore Exhibition Services (SES) the conference gathered some 50 prominent speakers on radio from across the Asia-Pacific Region and beyond to share their thoughts and experiences on radio and its future. A second conference celebrating 100 years of radio broadcasting has been slated for the same period next year.



2nd International Conference on Project Management (ProMAC 2004)



The ProMAC conference series on project management was initiated by NTU with the inaugural ProMAC 2002 held in Singapore, in association with Chiba Institute of Technology (CIT) and the Society of Project Management (SPM), Japan. ProMAC 2004, was held at Tokyo Bay during 11-14 October 2004, hosted by SPM, Japan, with NTU and Tsinghua University as the co-organizers. The conference was supported by major corporations, including Microsoft, IBM, Hitachi, NEC, NTT Data, TDC Software Engineering and Toshiba. The



conference was addressed by Nobel Laureate in Physics, Dr. Masatoshi Koshiba. The conference was attended by 850 participants, with 123 papers presented with major focus on the application of project management (PM) concepts and methods for the high-tech industries. Seven faculty and research students from School of Mechanical & Aerospace Engineering (MAE), NTU, presented their papers in the conference. The next conference in the series, ProMAC 2006, will be held in Sydney, Australia, with NTU as the international partner.

Product Lifecycle Management Symposium

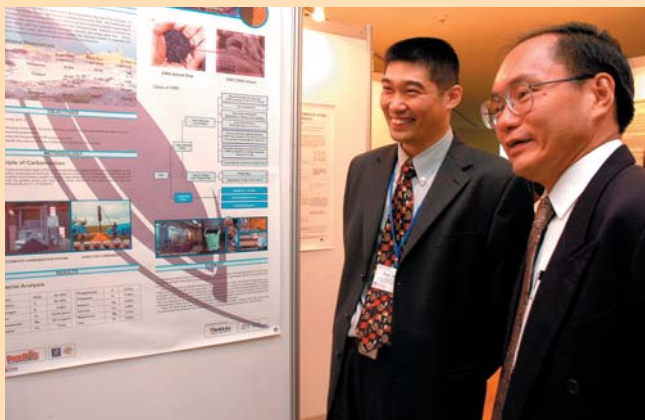
A half-day symposium on Product Lifecycle Management (PLM) was jointly organized by the School of Mechanical & Aerospace Engineering (MAE), SIMTech and the Georgia Institute of Technology, Atlanta, Georgia on 5th October 2005. Ninety three participants from 46 organisations representing end-users, suppliers, contractors, PLM vendors and researchers attended the Symposium, the objective of which was to disseminate information on the applications and benefits of PLM in industry. The keynote address was delivered by Professor Leon F McGinnis, Gwaltney Professor of Manufacturing Systems and Director of GT's Product Lifecycle Management Center of Excellence. Assoc Prof Ma Yongsheng showed how product and process-oriented PLM cater to a wide range of industries, while Dr Song Bin, Senior

Research Fellow of SIMTech, described case studies of how PLM was used to manage make-to-order manufacturing, automatically generate quotations and optimize inventory.



Dr S Y Lim, Ag Exec Director, SIMTech, presenting a memento to Prof Leon McGinnis

UK-Singapore Materials Workshop



School of Materials Science and Engineering (MSE), NTU and British High Commission of Singapore jointly organized a 2-day “UK-Singapore Materials Workshop” from 12th -13th September 2005 at Biopolis. This event, supported by A*STAR, is part of the UK-Singapore Partners in Science initiative established in December 2004.

Guest-of-Honour, Mr Chan Soo Sen, Minister-of-State for Education, and Associate Professor Ma Jan, Vice-Dean (Academic) of School of Materials Science and Engineering, at UK-Singapore Materials Workshop.

Inaugural Forum on Asian Cinema

The Division of English’s Film Studies specialist (School of Humanities and Social Sciences, HSS), Asst Prof Kenneth Chan, chaired the Inaugural Forum on Asian Cinema, jointly organized by the Asian Film Archive and the Substation, as part of the latter’s 5th Asian Film Symposium. Apart from helping to plan and organize the Forum, he also moderated a panel focusing on renowned Thai filmmaker Pen-Ek Ratanaruang, best known for his film “Last Life in the Universe”. The Forum was held at the Substation from 13-16 September 2005.



Pen-Ek Ratanaruang and Kenneth Chan, during the session “Focus on Pen-Ek Ratanaruang”

James Joyce Exhibition

NTU’s Division of English (School Humanities and Social Sciences, HSS) co-hosted (with the Irish Embassy) a major international exhibition of the life and work of the author James Joyce. Co-ordinated by Assoc Prof Neil Murphy from the NTU’s School of Humanities and Social Sciences (HSS), the event was held at Singapore Art Museum on 13-17th June 2005 and culminated in a cultural evening of music, literature and refreshments. Speakers included Prof Koh Tai Ann (HSS), Assoc Prof Chang Weining (HSS), Assoc Prof Neil Murphy (HSS), Dr Peter van de Kamp (Ireland), and Mr Hugh Swift (Ambassador of Ireland).

Redesigning Pedagogy Conference: Research, Policy, Practice

Redesigning Pedagogy Conference, which took place from 30th May to 1st June 2005, in NTU addressed the issues of: How should countries and education systems prepare students for productive lives in the new century? How will technology reshape pedagogy? Why do we need multi-literacies and how can we teach it?

Education Minister Tharman Shanmugaratnam officiated the opening ceremony on 30th May 2005 at NTU's Nanyang Auditorium. This event attracted about 2,500 registered participants from some 30 countries. More than 640 papers were presented in the form of keynote addresses, plenary lectures, individual presentations and workshops and symposiums. The conference showcased results of high-calibre research, conducted by NIE's Centre for Research in Pedagogy & Practice (CRPP), and

keynote presentations from distinguished overseas researchers and local teachers. These research outcomes might have far reaching implications on policies with regard to teaching and learning, and on curriculum and pedagogies in Singapore and many other systems abroad.



Prof Allan Luke, Dean, CRPP, speaking at the Conference

Biology in Asia International Conference

Biology in Asia, a highly successful and well-attended international conference, was held at the National Institute of Education (NIE) from 7th to 10th December 2004. With support from the Ministry of Education, this conference was jointly organised by the Singapore Institute of Biology

(SIBiol), in collaboration with NIE and the National University of Singapore (NUS), to commemorate the 30th anniversary of SIBiol. A total of 271 participants from 29 countries attended the conference's three symposia: Biodiversity, Ecology and Conservation in Asia Symposium, Biotechnology in Asia Symposium and Biology Education in Asia Symposium.



Education Minister Mr Tharman Shanmugaratnam (right) in conversation with Dr Jane Goodall and plenary speaker, Prof Charles Arntzen

At the Conference Banquet-cum-30th Anniversary Dinner on 9 December 2004, Prof Leo Tan (Director, NIE and President, Singapore National Academy of Sciences) was made an Honorary Fellow of SIBiol for actively promoting biology and biology education in Singapore. Prof Lee Sing Kong (Dean, Graduate Programmes & Research, NIE), Assoc Prof C H Diong (Natural Sciences & Science Education, NIE), together with two other stalwart SIBiol members, were also made Fellows in recognition of their contributions to SIBiol.

First ICT Regional Workshop on Virtual Reality

Three School of Computer Engineering (SCE) staff, Assoc Prof Seah Hock Soon, Assoc Prof Tony Chan, and Assoc Prof Alexei Sourin were invited to give talks at the first Information and Communications Technology (ICT) Regional Workshop on Virtual Reality which was held in Korea from 17th to 20th January, 2005. Researchers from Korea, France, Japan, Singapore, China and Taiwan met together and shared their research topics on Virtual Reality at this workshop. The workshop was supported by the French Embassy in Singapore.

CyberGames 2005 Workshop

The International Workshop on Games Research and Development was organized on 28th March 2005 by the School of Computer Engineering (SCE), and was inaugurated by SCE's Dean, Assoc Prof Seah Hock Soon. The workshop was attended by more than 60 participants, and 25 papers were presented. The next CyberGames workshop will be held in Perth, Australia in 2006.

Joint Workshop on Bioinformatics and NLP

The Bioinformatics Research Centre (BIRC), NTU collaborated with the Institute of Infocomm Research and Korea Advanced Institute of Science and Technology in holding the joint workshop on 18th February 2005. The workshop was a platform for postgraduate students from the three organizations to present their work on bioinformatics.

The Graduate Student Satellite Symposium

The Bioinformatics Research Centre (BIRC), NTU organized a Student Symposium on 15th January 2005 as a special event of the Asia-Pacific Bioinformatics Conference (APBC 2005). The symposium provided an opportunity for graduate students from Singapore and abroad to exchange their research ideas, and discuss about their future careers, which would lead to promoting bioinformatics research in Singapore and the Asia-Pacific region.

International Workshop on New Product Development: A Machine Learning Approach

An international workshop was held on 7th January 2005, in conjunction with an A*STAR sponsored project on "New Product Development: A Machine Learning Approach" with participants from UK, China, NTU, NUS, SIMTech and the industry. The workshop was chaired by Assoc Prof Ng Wee Keong from School of Computer Engineering (SCE) and Dr Lu Wen Feng from SIMTech.

NTU Cognitive Science Workshop

The Centre for Computational Intelligence organised the NTU Cognitive Science Workshop on 7th January 2005. Cognitive Sciences are the key to the future humanized technologies and applications. Although there appears to be strong interest in the different aspects of cognitive science in Singapore, there has been so far no coherent programmes or concentrated efforts to establish strong research groups and offer training to students. The purpose of this workshop was to identify groups and individual researchers in NTU and Singapore who are interested in cognitive science in its many aspects.