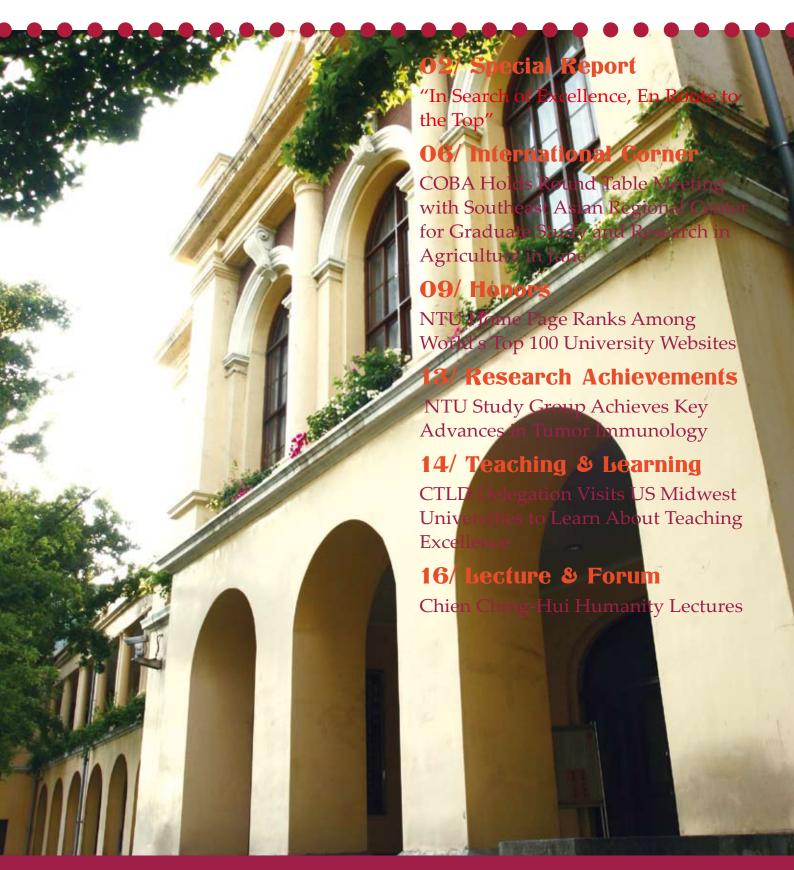
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NTU AT A GLANCE ***

Institute for Advanced Studies in Humanities and Social Sciences

Center for China Studies

Foxconn Charity Donates Unprecedented NT\$15 Billion for Cancer Hospital, R&D



Chairman Terry Gou of the Foxconn
Hon Hai Precision Group explains the
reasons and aspirations behind his massive
donation while being interviewed by the
media.



NTU president Si-chen Lee and Foxconn Hon Hai Precision Group Chairman Terry Gou exchange signed memoranda following the donation ceremony.

National Taiwan University Hospital Superintendent Lin Fang-yue speaks about the cancer hospital cooperation plan.

ounded by Chairman Terry Gou of the Foxconn Hon Hai Precision Group, the Yong Lin Charity Foundation pledged on September 4th to donate NT\$10 billion to

NTU for the building of a 500-bed cancer hospital and a state-of-the art proton center for the treatment of cancer. The foundation also pledged to donate another NT\$5 billion to NTU to promote cancer treatment and biomedical engineering research. The NT\$15 billion donation sets a world record for enterprise donation to university medical colleges.

Guo founded his charity to reciprocate his parents' love and care for him. Its founding philosophy is "to care for life and make contributions to society." Since cancer has become the No. 1 cause of death in Taiwan, Gou believes that Taiwan should develop a world-class professional cancer hospital, and benefit cancer patients with the most advanced therapeutical equipment and service.

Gou considers NTU Hospital the natural target for his donation and expects NTU to be able to integrate the resources of the university's different departments to create a new era of cancer treatment.

The foundation will cooperate with NTU to implement research in the area of medical engineering, including equipment and materials technology research, the purchase of sophisticated treatment equipment, setting up a stem cell transplant center, and cooperation and operation of a preventive medicine center. These measures are for the purposes

of achieving early diagnosis of cancer and individualized treatment. Any surplus will

be used to subsidize research and talent cultivation, charity and public welfare activities, and incentive programs for medical care and research. Thus, the foundation's project with NTU is "non-profit, public service medical cooperation."

NTU expects to choose its Gongguan District Hospital as the site for the project and develop it into a biomedical technology park.

Gou stresses that the size of the donation does not matter. He hopes that by "assembling" the most advanced medical equipment and technology, NTU can "integrate" cross boundary research achievements, and "mold" a fighting team to face the challenges of cancer. This project will learn from first class cancer centers around the world and high energy physics equipment manufacturing and R&D organizations in the hope of developing a "patient-oriented, humane, and efficient" approach.

President Lee added that he hopes the foundations' act will serve as an example for others to follow so that kind hearted people will realize the importance of cancer research and lend their assistance and make practical donations to NTU. Lee maintains that NTU is becoming a world class university, and people from all walks of life can lend a helping hand to continue the efforts of creating a world class university for Taiwan.

NTU Ranked Best University in China, Taiwan and Hong Kong in Shanghai Jiao Tong University













hanghai's Jiao Tong University recently released the results of its appraisal of 500 global universities. National Taiwan University retook first place as the best Chinese university, and its global ranking moved upward from the 181st to the 172nd. In the first three years that Jiao tong University conducted its appraisal of global universities, beginning in 2003, NTU took first place, only falling slightly behind Beijing Tsinghua University last year.

This year, NTU reclaimed the honor as the best Chinese university of all, and its global ranking also moved upward, showing that NTU has never ceased making great strides.

This university ranking adopts internationally recognized academic achievements and academic performances as its main criteria, and the indicators are divided into four major categories: quality of education, quality of the teaching staff, research achievements and the average teacher performances. The contents of the indicators include: number of university's alumni and faculty winning Nobel Prize and the Fields Prize; number of scholars whose theses are being frequently cited; number of papers published in science and nature journals, number of papers published in SCI and SSCI; and finally, the average performance of teachers.

Of the several global universities ranking systems being applied in the world today, Shanghai Jiao Tong University uses the past performances of each university as the indicators of evaluation, whereas the Thames Newspaper of England uses the future developments of each university as the indicators of evaluation. National Taiwan University has already acquired respectable status in the areas of liver cancer research, genomic medicine, chemistry, integrated circuit design, etc., and will continue to pursue academic excellence in other areas. Now that



♠ Shanghai Jiao Tong University has released the results of its appraisal of 500 global universities. After the assessment of synthesized indicators, NTU ranked No.1 of all Chinese universities, showing that the school has won tremendous international recognition!!

NTU has been targeted as one of the major recipients of the Taiwan government's "five year 50 billion NTdollar university development grant," it can surely be expected that NTU will rank among the top 100 universities in the world soon!!

Using Jiao Tong University's data for statistical tally, 10 universities from Taiwan have made the rankings of the global 500. They are, in order of their rankings: National Taiwan University (ranked 172nd); National Tsing-hua University (ranked 317th), National Chiao-tung University (ranked 327th), National Chengkung University (ranked 367th), National Yangming University (ranked 471st), National Sun Yatsen University (ranked 474th), and National Central University (ranked 501st). These are the universities from Taiwan whose performances top the others in Jiao Tong University's recent appraisal.

Website for the 2007 Jiao Tong University's Appraisal of Global 500 universities:

http://ed.sjtu.edu.cn/rank/2007/ranking2007.htm

NTU Hires Leading Academics to Become Worldclass Institution



Professor Chang-shou Lin, Department of Mathematics

r. Chang-shou Lin has been a chair professor in the Department of Mathematics since 2006 and is also the director of NTU's Taida Institute for Mathematical Sciences. His research specializations are nonlinear partial differential equations and differential geometry.

Dr. Lin's 1983 Ph.D. dissertation explored the problem of partial differential equations within differential geometry. That paper stood out as the first major breakthrough in that field in the ten years up to that point and led to Dr. Lin's being honored as the first recipient of New York University's K.O. Friedrichs Prize for Outstanding Dissertation in Mathematics.

Since 1990, Dr. Lin has devoted his attention to bubbling behavior, a phenomenon that leads to perplexing issues in many equations. Dr. Lin and his partners have independently developed a series of original methods that have brought them much success in addressing these issues.

Dr. Lin received the first Morningside Gold Medal for Mathematics in 1998 and the Presidential Scientific Award from Taiwan's National Science Council in 2001. He has been an academician at Academia Sinica since 1998.



Professor Shih-I Chu, Department of Physics

NTU's Dr. Shih-I Chu, an academician at Academia Sinica since 2006, specializes in the field of theoretical and computational chemistry.

The research group that Dr. Chu heads is guided by the desire to develop new theoretical formalisms and accurate and efficient large-scale computational techniques for in-depth ab initio investigations of chemical, physical and astronomical problems that are of current significance in science and technology.

Dr. Chu is currently pursuing research in the areas of atomic and molecular physics and chemistry in strong fields, new development of time-dependent density functional theory, quantum computing and information, classical and quantum chaos and fractals, and attosecond science and technology.

Of particular interest to Dr. Cu is the SQUID (Superconducting Quantum Interference Device), which can be designed and scaled up much more easily than other

quantum computing systems.



Professor John Suppe, Department of Geosciences

Dr. John Suppe, a professor in the Department of Geosciences who has been a professor at Princeton University for decades, is one of the leading structural geologists in the world. He has gained recognition primarily for his research on foreland fold and thrust belts.

Dr. Suppe established ties with NTU as far back as the late 1970s when he was a visiting professor here. Recently, he has been collaborating with students and faculty in the Department of Geosciences on mapping detailed surface geology and reconstructing fold and thrust structures related to a major thrust-belt involved in the Chi-Chi Earthquake in Taiwan. The increasing availability of onland and offshore geophysical and geological data in recent years has led to a reexamination of the classical thinskinned model in Taiwan.

Dr. Suppe's work on the San Andreas Fault in California led to a reevaluation of previous theories and involved him deeply in efforts to analyze and predict earthquakes in California. He has even used his knowledge of Earth to study the tectonics of Venus.

NTU Offers Internationalization Workshop for Administrative Staff of International Affairs



Workshop participants listened to the presentation of NTU's policy of internationalizing campus.

The Training Workshop for Administrative Staff of International Affair was hosted by Center for International Academic Exchanges (CIAE; now OIA, Office of International Affairs) on July 10th, calling attention to our increasingly international campus. Staff from over one hundred administrative offices and academic institutes participated in this four-hour workshop, sharing with one another personal experiences in interacting with international guests.

The number of international students, scholars, and visitors at NTU continues to grow each year as a result of government sponsorship and the launch of major research projects. To provide better service to international guests, CIAE promotes a better understanding of international affairs among the administrative staff on campus. This workshop, "Campus Internationalization: Receiving Foreign Guests," aimed at providing staff with advanced knowledge and skills about hosting international conferences and guests.

The workshop included three sections. Each section integrated diverse formats, such as case-study, role-play, group discussion, and presentations. In the first section, Tung Shen, director of CIAE, made the opening remarks on the objectives, current achievements, and future plans of CIAE. Director Shen also gave an overview of NTU's strategies in reaching the goal of an international campus. She encouraged workshop participants to actively take part in NTU's new task and promised that CIAE will offer necessary assistance

and information for staff to receive foreign guests. In the second section, two regional program coordinators from CIAE, Jean Lin and Kelly Chang, shared with participants the standard procedure of receiving international visitors. In the last section, the guest speaker, Bi-Chun Zhang, demonstrated international etiquette by inviting participants to practice the proper manners of receiving guests. As such, participants were given not only systematic information but also handson experiences.



Guest speaker, Bi-Chun Zhang, invited a participant to demonstrate international protocol.

The next workshop will center on useful English expressions in responding to foreigners' requests and inquires. Meanwhile, OIA will provide every workshop participant a brochure with samples of letters and proper usage of these expressions. OIA would like to invite interested staff to participate in the upcoming workshop.

₹ ♦ ♦ ♦

NTU Participates in NAFSA Annual Conference and Exhibition 2007 to Boost Internationalization



NTU and University of Washington representatives discuss a student exchange program.

The Office of International Affairs Staff participated in the Minneapolis NAFSA conference, where over thirty sessions were held between universities to discuss future programs for student and faculty exchange as well as double degree programs. Attending the NAFSA annual conference and exhibition thus has increased the visibility of NTU and facilitated the university's internationalization efforts.

To maintain and develop global partnerships, staff from NTU took part in the NAFSA conference and exhibition to meet the counterparts from the world's top universities, including Leiden University, University of Washington and University of Zurich. Meanwhile, a student exchange agreement between NTU and University of Oslo was finalized there.

How to educate and inspire global citizens was the theme of the 59th NAFSA conference from May 27 to June 1, 2007, in Minneapolis, Minnesota of the United States of America. More than 7,000 international educators attended the conference and exhibition in order to advance the cause of international education and to develop a more global curriculum for students.

With 10,000 members from 150 countries, the

Association of International Educators (NAFSA) has promoted international education and provided professional development opportunities for over 60 years. NAFSA engages in international exchange and networking to enhance cross-border mobility of students. Next year, the 60th NAFSA conference will be held in Washington, D.C.



NTU representatives were invited to the dinner reception held by Leiden University (lower left: Dr. Robert Coelen, Vice President International, Leiden University)

COBA Holds Round Table Meeting with Southeast Asian Regional Center for Graduate Study and Research in Agriculture in June



aculty of the NTU College of Bioresources and Agriculture held a round table meeting with representatives of the Southeast Asian Regional Center for Graduate Study and Research in Agriculture here at NTU on June 15, 2007. Participating SEARCA officials included SEARCA director Dr. Arsenio M. Balisacan and the chancellor of the University of Philippines Los Banos, Dr. Luis Rey Velasco. Focusing on food sciences and biotechnology, the meeting provided an open forum for the two institutions to share their latest developments and discuss plans for future collaboration.

During the meeting, COBA presented its new biotechnology "raining program" and promoted an international conference on the "Multicountry Study Mission on Successful Export Promotion by Foodmanufacturing SMEs" to be held in Taiwan from September 10-14, 2007. This conference provided a forum for sharing and developing export promotion strategies in order to help food-manufacturing SMEs in Southeast Asia make headway into major global markets.

The SEARCA delegation visited with NTU president Si-chen Lee following the round table meeting, and

UPLB's Dr. Velasco expressed his willingness to sign a memorandum of agreement on academic and educational cooperation in the near future. The delegation members also enjoyed a campus tour, including visits to the Center for Biotechnology laboratories for fisheries biotechnology, plant biotechnology and animal biotechnology.

SEARCA is a unit under the Southeast Asian Ministers of Education Organization focusing on agricultural and rural development. Its current mission is to strengthen agricultural competitiveness and natural resource management for the purpose of achieving food security and poverty reduction in Southeast Asia. COBA shares SEARCA's aspiration to attain these goals through higher education, academic exchanges, training programs and research projects.



UIUC Students Visit NTU to Attend Short Course on Local Biodiversity and Culture

A group of 12 students from the University of Illinois at Urbana-Champaign traveled to Taiwan in May to take part in a week-long short course on "Biodiversity and Culture of Taiwan" here at NTU. This course, which ran from May 19 to May 26, 2007, was a pilot program organized following the signing of a memorandum of agreement by officials and faculty from the two universities in March. It was designed to promote academic and cultural exchange and give the UIUC students an opportunity to learn first-hand about the biodiversity and culture here in Taiwan.

Four professors from UIUC's College of Agricultural, Consumer and Environmental Sciences and Department of Agricultural and Biological Engineering accompanied the UIUC students.

Twelve students from NTU also took part in the course.

In addition to attending a series of lectures presented by 11 NTU professors from the College of Life Sciences and the College of Bioresources and Agriculture, the

visiting students were given a tour of scenic and cultural locations that highlight Taiwan's cultural and biological diversity. These included the Taipei Zoo, the geological formations at Yeliu, Yangmingshan Mountain, Guandu Nature Park, Yushan National Park, Ji-Ji Endemic Species Research Institute and Conservation Education Center, NTU Experimental Forest, Phoenix Tea Plantation, Longshan Temple, National Palace Museum, a traditional night market and the Lugu Farmers' Association.

The experience gained from this pilot course will be used to develop a regular summer course, "Bioresources of Taiwan," that will be offered each year to students from various universities around the world. The original memorandum of agreement calls for the development of an exchange program that would allow NTU students to earn an undergraduate degree from NTU and a Master's

degree from UIUC after completing three year's of undergraduate study in Taiwan, an additional year of undergraduate work at UIUC and a final year of graduate work at UIUC.

Students take part in an offcampus activity.





Students from the University of Illinois at Urbana-Champaign and NTU pose for a photograph in front of the NTU entrance.

COBA and Sunchon National University Hold Joint Conference on Bioresources and Agriculture in June



Participants in the NTU-SNU joint conference pose for a (3) group photo after the conference.



he NTU College of Bioresources and Agriculture and Sunchon National University held a joint conference on bioresources and agriculture at NTU on June 26, 2007. As the conference was aimed at extending and deepening cooperation between NTU and SNU, COBA was delighted to host SNU's new president, Dr. Man-Chai Chang, and the delegation of SNU professors specialized in biological resources and agriculture.

Conference highlights included presentations on innovative research projects by four professors from SNU and from NTU each. Presentations covered issues photo after the conference.ing campus.

Participants in the NTU-SNU joint conference pose for a group

and Waste Management," "Food and Nutrition" and "Agricultural Economics." At the close of the conference, participants explored the possible areas of future collaboration between these two universities.

Before the conference, the guests from SNU paid a visit to NTU president Lee Si-chen and toured NTU's Gallery of University History. During their stay in Taiwan, the SNU delegates also met with two Korean SNU graduates who are currently undertaking doctoral studies here at NTU.

NTU and SNU originally signed a cooperation agreement in 1996, later renewed in 2004. The two schools also sent delegations to visit each other's campuses in 2006. Despite such efforts, this bioresources and agriculture conference marked the first the occasion for real academic exchange and collaboration between them. This conference thus initiated practical cooperation between NTU and this outstanding Korean university and laid the foundation for deeper collaborations and further exchanges in the future.

NTU Home Page Ranks Among World's Top 100

University Websites

According to the latest tally of Webometrics, NTU's home page ranks among the top 100 university websites in the world. NTU's superior web processing capability has gotten another solid proof.

After being ranked among the top 100 websites in Taiwan in 2006, and winning the honor of being ranked as the 159th most popular university website in the world, NTU's home page scales new heights again!!

According to the webometrics review of global university websites conducted by the Centre for Scientific Information and Documentation of the Spanish National Research Council, as of July 2007, NTU's home page won the 96th place in terms of comprehensive appraisal. Among the Asian countries, NTU's ranking is second only to that of the University of Tokyo, and is by far the best ever.

The home page of NTU underwent a complete



overhaul in 2006. With the joint efforts of colleagues from relevant administrative units, comprehensive adjustments and improvements were carried out with regard to the overall outlook of the home page, the richness of its contents, and the convenience of the website, etc. Of the items under review, NTU's website won the distinguished honor of being ranked 30th place in the category of "rich files". And in the categories of the scale of the website, its academic quality, and its visibility NTU also performed



outstandingly. That NTU's website is able to win international recognition is largely attributable to the efforts put forth by all the colleagues involved with its operation.

Webometrics is researched and published by the Internet Laboratory of the Spanish Center for Scientific Information and Documentation. Its review of university websites places special emphasis on the websites'information processing capability. The fact that NTU has won repeated honors in Webometric's review is ample proof that our university's superior performance in information processing has obtained important attention from international authoritative research institutes.

In the future, NTU expects to study the top university websites in the world, and continues to implement further improvements in its home page design, providing more friendly online environments to our users with a view toward gaining better accomplishments in the global competitions.



Congratulations!! Eight NTU Professors Win Awards from Ministry of Education; Dr. J.D. Wang and Dr. Lin-Shan Lee Earn National Chair Professorships

The Academic Review Committee of the Ministry of Education has announced the roster of winners for the 11th National Chair Professorships and the 51st Academic Awards. Professor J. D. Wang and Professor Lin-shan Lee of NTU were elected for the second time as lifelong national chair professors. In addition, among the nine professors awarded national chair professorship, NTU has five, adding proof of the scholastic attainment of National Taiwan University.



rofessor J. D. Wang's area of specialization lies in environmental and occupational health, epidemiology and other related fields. He has won many scholastic achievement awards in the past, including the "outstanding science and technology honorary award" of the Executive Yuan in 1998, and the Ministry of Education's Academic Award in 2001. His highest honor was being selected as an academician for the Collegium Ramazzini, which is commonly recognized as the loftiest honor for occupational medicine practitioners. In 2003 he was awarded national chair professorship by the Ministry of Education. This year he won the same honor for the second time, and became a lifelong national chair professor.

Personal Website of Professor J.D. Wang: http://omih.ntu.edu.tw/JDWang/CHT/

rofessor Lin- Shan Lee specialized in the study of communications in his early days, and subsequently gained prominence for his research in the fields of digital acoustic processing, digital signal processing, and digital transmission. He is well known for blazing the trail for digital phonology research. In the past he won many honors, including being selected IEEE Fellow, Ministry of Education's National Chair Professor, NTU's Chair Professor, and NTU's tenured professor by special appointment, etc. This year Professor Lee made another great stride by winning the lifelong national

chair professorship.

Professor Lin-Shan Lee's personal website: http://www.ee.ntu.edu.tw/2004/people/faculty/ls-lee/ls-lee.htm



Other NTU winners of the 11th national chair professorships include Department of International Business Professor Mao-Wei Hung (in the social sciences category), Department of Atmospheric Science Professor Hung-Chi Kuo (in the math and natural sciences category), and School of Medicine Professor Pan-chyr Yang (in the catergory of biology, medicine, and agriculture).

Professor Mao-Wei Hung dedicates himself to research in financial engineering, behavioral finance, asset pricing theory, international investment and asset management. He has won many awards and international recognition. Apart from being listed among the top twenty researchers in the Asia Pacific region in finance (he was the only nominee from Taiwan), he also won the outstanding scholar chair professorship from the Foundation for the Advancement of Outstanding Scholars, and the Distinguished Research Award in Management from the National Science Council.

Professor Hung-chi Kuo distinguished himself in the study of the generating power of the dual typhoon

eyes, and the generation theory of equatorial typhoons. He received the status of NTU's lifelong tenured professor by special appointment not long ago, and was awarded the Excellence Award in Research by the National Science Council in 2006.

Professor Pan-chyr Yang, on the other hand, is known for his achievements in the studies of the technology of chest sonography, and the pathogenic mechanisms of lung cancer. For his successful establishment of the metastasis model of lung cancer, he was elected into Academia Sinica in 2006.

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Among the winners of the 51st Ministry of Education's Academic Awards, three come from NTU. They are, respectively, Professor Yi-ting Li (Department of Economics), Professor Grace Chu-fang Lo (Department of Biotechnology), and Professor Wang Huei (Department of Electrical Engineering).

Professor Yi-ting Li specializes in monetary theories and macroeconomics theories. His past honors include winning Academia Sinica's Young Scholar's Research Writing Award, and the National Science Council's Outstanding Achievement Award, among others.

Professor Grace Chu-fang Lo's recent research focuses on the viral diseases of aquatic crustaceans (shrimps), the prevention of diseases for aquaculture species, and basic biology research of viruses She has won many lofty academic awards for her distinguished research achievements, including the Executive Yuan's Outstanding Technology Award, National Science Council's Outstanding Research Award (three times), and the Chinese Society for Biochemistry and Molecular Biology's Outstanding Biological Science Research Award., etc.

Professor Wang Huei's research specialization lies in high frequency integrated circuits. His research topics include circuit design, component models and measurements. In addition to winning this award, he has won other honors, including the National Science Council's Outstanding Research Award, the Foundation for the Advancement of Outstanding Scholars' chair professorship, and the chair professorship in Richard M. Hong academic forum.

Professor Mao-Wei Hung's Personal Website:
http://homepage.ntu.edu.tw/~mwhung/
Professor Hung-Chi Kuo's Personal Website:
http://kelvin.as.ntu.edu.tw/Kuo_0.htm
Professor Pan-chyr Yang's Personal Website:

http://www.ibms.sinica.edu.tw/html/pi/pcyang_c.

Professor Yi-ting Li's Personal Website: http://homepage.ntu.edu.tw/~yitingli/

Professor Grace Chu-fang Lo's Personal Website: http://zoology.lifescience.ntu.edu.tw/ faculty/lo_cf.htm

Profefessor Wang Huei's Personal Website: http://www.ee.ntu.edu.tw/2003/people/faculty/h-wang/h-wang.htm



NTU Develops Web-based Chinese Language Learning Software Using Real-time Acoustic Diagnosti





Participants watch in amazement as the Chineselanguage learning software NTU Chinese is introduced

Dr. Lin-Shan Lee (foreground) demonstrates the functions and technology behind the NTU Chinese software.

Chinese learning craze has engulfed the world of late. On June 13, NTU President Lee Sichen announced that Dr. Lin-Shan Lee of the Department of Electrical Engineering and Computer Science and his team have successfully developed a web-based learning software called NTU Chinese whose special feature lies in "instant acoustic recognition," which, coupled with multi-dimensional linguistic communications structure, will greatly enhance the efficiency of Chinese language learning, while at the same time start a new trend for Chinese language teaching over the Internet.

The core technology of NTU Chinese integrates the Chinese phonetic signal processing and analysis techniques developed by Dr. Lee and his research team. Such core technology enables the computer to evaluate the correctness of the learner's enunciation from pronunciation, tones, rhythms and accents. Moreover, it can provide instant assessment of every word and every sound uttered to see if the learner has any bias, and offer online diagnosis and correction. At the end of every learning phase, the software can even provide a deductive "diagnosis of learning records," providing suggestions for improvement to the learner. In sum, this software can achieve realtime and comprehensive two-way interactivity which is not available in other Chinese teaching software. It works better than if a real person were teaching the course.

NTU Chinese can even display three dimensional animations of the mouth shapes for pronunciation, vividly portraying the correct method for pronouncing every sound and assisting the learners in understanding their errors and improving them.

Dr. Lee has devoted himself to Chinese language phonetic data processing for thirty years and has won many grand prizes in research. He contends that, since web-based software courses allow the learners to practice on their own ad infinitum. their efficacy is really better than that of the one-on-one course taught by a real teacher.

Besides, the teaching materials used in NTU Chinese are developed by teachers at NTU's Chinese Language Institute who have accumulated several decades' experience in teaching Chinese. These teaching materials are cutting edge in their design and adopt multi-dimensionally structured communicative learning methods for various linguistic environments. Based on the theory of "syntax for teaching a second language" and using communicative functions as its orientation, these teaching materials construct the basic sentence patterns in different linguistic environments which factor in time, location, people, emotions, etc. The basic design concept for NTU Chinese emphasizes the importance of linguistic environments and the communication functions of a language.

NTU Study Group Makes Key Advances in Tumor Immunology

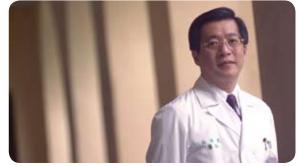
The NTU Tumor Immunology Study Group has made important advances in the study of tumor immunology that might have significant implications for the treatment of cervical cancer, one of the leading forms of cancer affecting women around the world as well as here in Taiwan. The interdepartmental team focuses its research on the evasion of immunologic surveillance, a phenomenon that is considered a likely cause of the rapid progression of cancer in humans.

Composed of faculty from the Department of Obstetrics and Gynecology and the Department of Pathology at National Taiwan University Hospital and the Graduate Institute of Immunology at National Taiwan University College of Medicine, the research group's core members include Associate Professor Sheu Bor-ching, Professor Huang Su-cheng, Professor Ho Hong-nerng and Professor Hsu Su-ming. The group is dedicated to investigating tumor immunology so as to better understand the interaction between cancer cells and the immune system, as well as to develop more viable anticancer strategies.

Dr. Sheu has been singled out repeatedly for his contributions to this field of research. Notably, the Taiwan Gynecology Association named him the recipient of its Excellence in Research Award in 2005 and National Taiwan University Hospital presented him with its Excellence in Research Award in 2006.

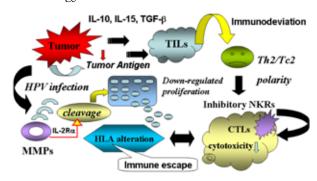
One of the study group's major findings is that human cervical cancer cells may alter the functional composition of anti-tumor effector cells in the tumor milieu, such as by causing a change in the polarity of CD8+ cytotoxic T cells. The study group has developed a new mechanical dispersal technique to achieve the isolation of tumor-infiltrating lymphocytes (TILs) from cancer tissue. Studies utilizing this technique have found significantly high levels of CD8+ T lymphocytes infiltrating the neoplastic cervix. The group has also demonstrated the down-regulation of TILs in human cervical cancer, a finding which has prognostic significance.

Other studies have demonstrated a novel role of cancer-derived matrix metalloproteinase (MMP) in immunosuppression of cervical cancer and shown



that cancer-derived mediators are responsible for the immunosuppressive conditions of tumor-infiltrating lymphocytes in human cervical cancer. The studies demonstrate progressively up-regulated expression of MMPs with cancer progression and significant associations between their gelatinolytic activity and cancer stage, nodal metastasis and recurrence.

The group's studies have been published in such prestigious scientific journals as *Human Immunology, Cancer, Cancer Research, Journal of Immunology and Clinical Immunology, and are also cited regularly in such journals as Nature Reviews and Current Reviews of Immunology.*



A chart illustrating one of the advances made by the NTU Tumor Immunology Study Group. (adopted from the Review of Sheu et al. published in the J. Obstet. Gynecol. Res. Vol.33, No.2, Page 103-113, April 2007).

Dr. Sheu found up-regulated expression of certain NK-cell Receptors (iNKRs) in TILs and in mixed lymphocyte-cancer cell co-cultures, and demonstrated that certain cytokines, including IL-10, TGF-b and IL-15, can be expressed by CC cells. The study strongly indicated that CC cells could promote the expression of iNKRs via an IL-15-, and possibly TGF-b-, mediated mechanism and abrogate the anti-tumor cytotoxicity of TILs. The group then showed that cancer-derived mediators are responsible for the immunosuppressive conditions of tumor-infiltrating lymphocytes in human cervical cancer (figure 1). Significantly, activated T cells bear inhibitory receptors that restrain cytotoxic activity.

CTLD Delegation Visits US Midwest Universities to Learn About Teaching Excellence



Dr. Been-Huang Chiang, Dean of Academic Affairs, and Dr. Yi-Huah Jiang, Director of the CTLD, were interviewed by the local newspaper, the Herald-Times.

he mission of the Center for Teaching and Learning Development is to integrate campus teaching resources and provide consultation services to all faculty

members and students so as to create an active learning environment and enhance teaching quality. The center is served by four divisions that specialize in the areas of faculty development, multimedia and e-learning, learning support, and planning and research. It hosts lectures, workshops and seminars and provides individual and group consultation services.



The delegation takes a picture in front of Billy Morrow Jackson's "Ag Time" painting in the ACES Library, Information and Alumni Center at University of Illinois Urbana-Champagne.

The delegation visits the campus of Indiana University Bloomington.

Prior to the center's formal establishment in 2005, an NTU delegation traveled to the United States to visit Harvard, Massachusetts Institute of Technology, University of Massachusetts-Amherst and Yale and learn from these outstanding international partners about teaching excellence. This year, a CTLD delegation continued on this mission by visiting three campuses in the US Midwest: Indiana University Bloomington, University of Michigan and University of Illinois Urbana-Champagne.

These universities possess a much deeper understanding of the importance of teaching than we here at NTU do. Faculty tasked with improving teaching quality at these institutions indicated that changing an institution's culture is not an easy task, especially in a research-oriented university, and maintained that a university's administration must first appreciate the necessity of incorporating teaching performance into its promotion and tenure mechanisms.

While visiting the Center for Research on Learning and Teaching at UM, the CTLD team learned how teaching centers can play a powerful role in changing an institution's culture by providing consulting and support services to instructors and was told that responsiveness to the needs of faculty members has been the most crucial factor in the success of the CRLT. The delegation also gained an understanding of the need for teaching centers to also reach out proactively to colleges and departments in order to recognize their particular needs.

At IU, the CTLD delegation learned that that university stresses excellence in teaching and gives equal weight to research, teaching and service when considering promotion and tenure. This system encourages those devoted to teaching and is more fair to those with outstanding teaching performances.



The College of Agricultural, Consumer and Environmental Sciences at the University of Illinois Urbana-Champagne showed the CTLD team that while teaching can be a practice

in itself, it can be an area of research as well. Scholarship of Teaching and Learning is an emerging discipline that encourages faculty members to conduct research on their own teaching processes in the classroom and publish the results in peer-reviewed journals.

NTU Teaching Assistant System Improving and Expanding



- A graduate TA leads a weekly small group discussion.
- The director of CTLD, Dr. Yi-Huah Jiang, awards certificates to outstanding TAs
- The Dean of the Academic Affairs Division, Dr. Been-Huang Chiang, awarded the certificate to outstanding TAs

he Office of Academic Affairs and the Commission for General Education introduced NTU's current university-wide teaching assistant system in the 2006-2007 academic year. The main goals of this system are to improve students' learning experience, boost the effectiveness of large-enrollment classes and reduce the workload placed on instructors so as to allow them to concentrate more on teaching. The current TA system builds on the original graduate TA program in general education by including classes in general education courses, common compulsory courses and some general departmental courses. Approximately 105 courses applied for TA funding and 314 graduate students worked as TAs in the spring semester of 2007, benefiting over 10,000 undergraduate students. Graduate TAs assisted teachers in the four areas of small group discussions, lab experiments, general instruction-related work and oral practice for language.

The Center for Teaching and Learning Development holds
TA orientations, mid-term TA forums and four teaching workshops per semester to help graduate students develop the knowledge and skills necessary for their teaching assistantships. At the end of each semester, instructors are asked to

evaluate the performances of their TAs. The CTLD presented certificates of excellence and awards of NT\$5,000 to 31 TAs in recognition of their outstanding performances during the fall semester of 2006.

Students and teachers alike give high ratings to TAs' for their contributions and performances this year. Small weekly group discussions led by graduate TAs outside of regular classes were found to encourage students to be insightful and critical in their thinking. It also turned out that TAs served as

students and course texts and as liaisons between students and teachers. This bridging function makes

mediators between

courses more accessible and meaningful for students. The TA system also provides valuable opportunities for graduate students to accumulate teaching experience at the university

level and serves as an excellent means of cultivating good teachers for higher education in the future.

The Office of Academic Affairs will reduce the student-TA ratio to 20:1 next academic year in order to improve the efficacy of the TA system. NTU has taken on the challenge of how best to make its TA system more effective and sustainable,

and we believe it has stepped forward with an Asian model of teaching assistantship that highlights higher education reform in Taiwan.

Chien Ching-Hui Humanity Lectures



Los Angeles, and Professor Wai-

lim Yip, of the University of California at

San Diego, presented three lectures each

in March and April as part of the Chien

Ching-Hui Humanity Lectures.

Madam Chien Ching-hui, chairperson of Hong's Foundation for Education and

Culture, sponsored the lecture series.

In Dr. Shih's first lecture, "Creolization of Theory," she explored such questions as: Does the creolization of theory then promise a theory of creolization as paradigmatic for the theory of the future?" Her next lecture, "Visuality and Identity: Sinophone Articulations across the Pacific," elaborated upon the primacy of the visual medium in the negotiation and representation of identities in the context of unprecedented scattering of capitalism across the globe. In "Against Diaspora: The Sinophone as Places of Cultural Production," Shih, by positing the sinophone in opposition to diaspora, sought to define the sinophone as a place-based practice of writing and speaking culture in huayu outside China.

Dr. Yip opened his series of lectures with "Translation: A Chance Encounter of Imaginations" in which he offered four stories to illustrate his lifelong commitment to creating and critiquing poetry in a crosscultural context. In "Chinese Poetry, Chinese Characters (Ideograms), and Pound's Modern Poetics," he highlighted Pound's fight against the regimentation of the lifeworld, the "iron cage" of instrumental reason that has led to a reductive humanity, in relation to Chinese poetry and Chinese characters. Yip's final lecture, "Meditations on Chinese and Western Poetics," took its cue from Yip's personal wrestling with crises of history and consciousness and his search of expressive strategies as a poet and later as a critic and theorist.

NTU Shakespeare Forum to Bring Back the Bard in November

he NTU Shakespeare Forum is devoted to the promotion of Shakespeare scholarship. Its research team comprises faculty members from the Department of Foreign Languages and Literatures and the Department of Drama and Theatre. Since 2006, the Forum has sponsored ten independent research projects employing a combination of literary, historical, sociopolitical, psychoanalytical, cultural and intercultural, and interdisciplinary approaches. Faculty on the Forum offer graduate and undergraduate courses on a variety of Shakespeare-related subjects. This semester there are three Shakespeare courses, two of which are open to non-majors.

Aiming to advance scholarly exchange, the Forum organizes conferences annually to which it invites Shakespeare specialists from academic and theatre circles to give lectures, acting workshops and performances. Past guests include David Bevington, Douglas Brooks, Robin Goodrin-Nordli, Joseph Graves, Alexander C. Y. Huang, Daphne P. W. Lei, Charles Ross, Tsu-Chung Su, Wei Hai-min, Wu Hsing-kuo and Daniel S. P. Yang. In November, the Forum will convene its third conference, which will feature Li Ruru and Cheng Zhaoxiang. It is also actively seeking opportunities to collaborate with universities in China, and has initiated discussions regarding collaboration with Beijing University.

The Forum's bilingual website (www.shakespeare.

tw) allows anyone interested in the bard's presence in Taiwan to find information about recent and upcoming events and performances. An electronic database of local translations, critical studies and productions is also under construction.

Institute for Advanced Studies in Humanities and Social Sciences

Guided by the motto, "enriching visions of culture and the humanities by thinking through dialogue," the Institute for Advanced Studies in Humanities and Social Sciences strives to promote interdisciplinary scholarship and academic exchange between the humanities and the social sciences and endeavors to create opportunities for intercollegiate and international communications in order to transcend the typical compartmentalization of academia. It sponsors regular academic forums on higher education, the humanities and social sciences and publishes the biannual Taiwan Journal of East Asian Studies. The institute also works to broaden NTU's academic resources by inviting world-renowned scholars to visit the university and forming long-term partnerships with other institutes of the humanities and the social sciences around the world.

The Institute for Advanced Studies in Humanities and Social Sciences delegation poses for a photo with the director and staff of the Harvard-Yenching Institute.

The unveiling ceremony for the Institute for Advanced Studies in Humanities and Social Sciences plaque











NTU at a Glance





CENTER FOR CHINA STUDIES

The College of Social Sciences established the Center for China Studies in 2005. The center seeks to promote academic publications and encourage greater internationalization within Chinese Studies. Since receiving a grant from the Ministry of Education in 2006, CCS has allocated most of its annual budget to the funding of publication-oriented research projects within the College of Social Sciences. While this is intended primarily to facilitate the publication of research papers in either SSCI or TSSCI journals, it also helps generate greater interest among the graduate students assisting with these projects, thereby deepening the future pool of Chinese Studies scholars. The center is currently sponsoring the compilation and editing of an English-language academic book focused on a designated topic within Chinese Studies. The book will be a collection of contributions from scholars at NTU and overseas institutions.





NTU Robot 1, NTU's first smart robotic campus tour guide, greets the public for its first time at the 2007 NTU Freshman Orientation.

Designed under the guidance of Department of Computer Science and Information Engineering professor and executive secretary Li-chen Fu, this robot displays its emotional responses by the tilt of its head and the colors of its light-emitting diodes. Fitted with a monitor and speakers, NTU Robot 1 can guide visitors on interactive multimedia tours and present short videos introducing the NTU campus.



The Hope of Youth, Life's New Beginning

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