美東華人學術聯誼會

Chinese American Academic & Professional Society (CAAPS)

www.caaps.us, caaps@caaps.us

CAAPS 2008

The 33rd Annual Convention Program

Toward the Challenges and Opportunities in the New Era

迎向新時代的挑戰與轉機

August 23, 2008, Sheraton LaGuardia East Hotel, Flushing, New York

紐約華僑文教服務中心

CULTURE CENTER OF T.E.C.O. IN NEW YORK

133-32 41st Road, Flushing, NY 11355

Tel: (718) 886-7770 Fax: (718) 961-3303

認同台灣　　走向世界

跨越國界的橋　　溝通交流的點

我們的根，在台灣　　我們的心，緊密相連

中華民國僑務委員會對僑胞的聯繫與服務是無遠弗屆的。為了加強對僑胞的聯繫與服務，傳揚中華文化及台灣文化、拓展僑教，更為了讓移居異國的僑胞有一個溫暖的去處，特地在全球華僑聚居的城市優先設置華僑文教中心，作為各地的服務窗口。希望透過我們的服務，讓海外僑胞能跨越國界，縱使在海外仍能感受僑務委員會的關懷，而與台灣緊緊相繫，時時相連。

Identify with Taiwan　　Walk into the World

A Global Passage　　A Communication Link

Our Roots Are in Taiwan　　Our Hearts Beat as One

The Overseas Compatriot Affairs Commission (OCAC) of the Republic of China is assiduous in its provision of services to overseas compatriots. In order to enhance communication with overseas compatriots, to promote Chinese/Taiwanese culture and education, and in particular to provide a place that overseas compatriots can call home, the OCAC has established Overseas Compatriot Culture Centers around the world in cities with high concentrations of overseas Chinese/Taiwanese. The Center is a point of contact for obtaining a variety of services. We hope that through our endeavors all overseas compatriots could feel the thoughtfulness of the OCAC even across the international borders, and will continue to identify with and render support to Taiwan.

中華民國華僑委員會贊助及祝賀

美東華人學術聯誼會第三十三屆年會圓滿成功

THE CITY OF NEW YORK
OFFICE OF THE MAYOR
NEW YORK, NY 10007

August 23, 2008

Dear Friends:

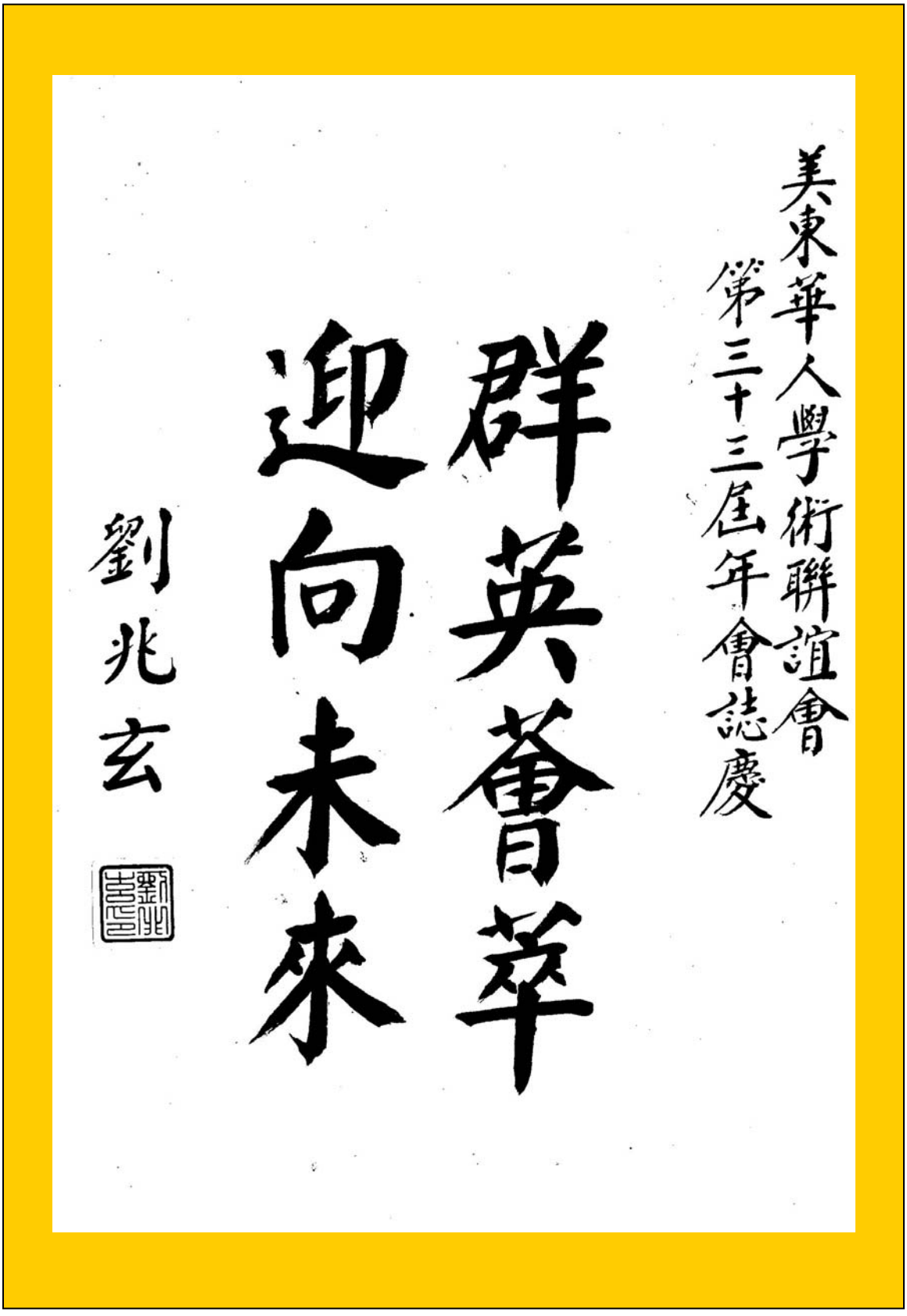
It is a great pleasure to welcome everyone to the 33rd Annual Convention of the Chinese American Academic and Professional Society.

Since 1975, this organization has provided tremendous support to our City's thriving Chinese community. As one of our largest and fastest-growing immigrant populations, Chinese New Yorkers represent the boundless potential of our great City, and their economic, cultural, and civic contributions continue to inspire New Yorkers of every background. The Chinese American Academic and Professional Society has helped make this happen, sponsoring and hosting programs that support this community's leading lights.

On behalf of all New Yorkers, I commend everyone involved with this organization for helping to make the greatest city in the world an even better place to live, work, and raise a family. Please accept my best wishes for an enjoyable event and continued success.

Sincerely,

Michael R. Bloomberg
Mayor


美東華人學術聯誼會
第三十三屆年會誌慶
群英薈萃
迎向未來
劉兆玄


美東華人學術聯誼會
二〇〇八年年會紀念
菁英齊聚
國建之基
僑務委員會
委員長
吳英毅
敬題

Chairman's Welcome Statement

The Chinese American Academic and Professional Society (CAAPS) is holding its Annual Convention in Sheraton Hotel, Flushing, New York to celebrate its 33rd anniversary. On behalf of CAAPS, I would like to convey my warmest welcome to all participants in the convention.

CAAPS, founded in 1975, is a not-for-profit and non-political organization. Its major goals are to promote fellowship and cooperation in scholarly and professional activities; to advance scientific knowledge, social and human values; and to promote cultural understanding and communications among Chinese Americans and other ethnic groups in the United States. In the past thirty three years, through the joint efforts of all the Board of Directors, Presidents, Executive Officers, Members and Supporters, CAAPS has continuously made contributions to the community, and represents one of the most active and influential Chinese American organizations in the Greater New York area.

The theme of the 2008 Annual Convention is "Toward the Challenges and Opportunities in the New Era **(迎向新時代的挑戰與轉機)**", which reflects the main direction that CAAPS will go forward in the coming years. The CAAPS Executive Committee has organized an excellent convention program that includes six technical sessions in the afternoon as well as the keynote speech, awards, and entertainment performances at the banquet in the evening. More than thirty outstanding educators, researchers, and professionals who chair or present papers in various sessions share their expertise, experience, and scientific and cultural knowledge with the participants during the convention.

I would like to express my sincere thanks to all members of the Executive Committee led by President Dennis Hwang and many volunteers for their precious time and dedicated efforts. My appreciation goes to the members of the Board of Directors for their help in guiding the society through the year. I am also thankful deeply to the speakers and the sponsors for their generous contributions.

Feng-Bao Lin, Ph.D., P.E. 林 豐 堡
Chairman of the CAAPS Board of Directors

President's Welcome Statement

It is my great privilege and pleasure to welcome you to attend the 33rd Annual Convention of the Chinese American Academic and Professional Society (CAAPS). Your participation and support have made CAAPS one of the most prestigious and influential Chinese American organizations in the United States.

This is an ear with high inflation, stagnant economy, instability of both stock and housing markets, high cost of energy, and mounting tensions and going-on wars in some regions in the world. Therefore, we have set the theme of this annual conference as "Toward the Challenges and Opportunities in the New Era" (迎向新時代的挑戰與轉機) to reflect and signify the current environment in which we are living, and the problems for which we aim to solve them. We have set up six technical and panel discussion sessions, in which more than twenty professors and practitioners will present the results of their advanced research focusing the theme aforementioned. I am very confident that the presentations will enlighten and enrich all of our audience.

I would like to take this opportunity to thank the members of the Board of Directors led by Chairman Feng-Bao Lin for their guidance and support throughout the year. My special thanks go to Dr. Johnson Tseng, the Advisor to President and the Executive Committee, for his tireless efforts. Sincere appreciations are also extended to Dr. Spencer Kuo, the VP of Convention Affairs, and to many donors and volunteers as well. Without their dedicated work and great generosity, we would not have made this convention possible and successful.

Dennis B.K. Hwang (黃本魁***) , Ph.D., CPA, CMA, Professor of Accounting***
President of CAAPS

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美東華人學術聯誼會

Chinese American Academic & Professional Society (CAAPS)

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美東華人學術聯誼會 第三十三屆年會

主題 ：迎向新時代的挑戰與轉機

時間：二００八年八月二十三日 (星期六 下午一點至十點)

地點：紐約法拉盛喜來登大飯店 Sheraton LaGuardia East Hotel
135-20 39th Avenue, Flushing, NY 11354, Tel: (718) 460-6666

Time		Room
12:30 – 1:00pm	Registration 註冊 Free of charge for all workshops 所有研討會歡迎免費參加	7th Floor Front Desk
1:00 – 3:00pm	科技運用研討會 Technology and Application Workshop 召集人：郭思平教授 (紐約科技大學) 主持人：沈永清教授 (紐約 Siena 學院) 主講人：周汝紹教授 (紐約科技大學) 古仁棟博士/經理 (美國國家航空暨太空總署) 郭思平教授 (紐約科技大學) 林政賢博士 (Kenbert Technology, Inc.)	Diamond – 7th Floor
1:00 – 3:00pm	財政經濟研討會 Economics and Finance Workshop 召集人：陳泰明教授 (聖若望大學) 主持人：蔡偉彥教授 (哥倫比亞大學) 主講人：黃本魁教授 (賓州布隆斯堡大學) 黃仁德教授/系主任 (國立政治大學) 張東隆教授/系主任 (長島大學)	Gallery – 7th Floor
1:00 – 3:00pm	電腦資訊研討會 Computer and information Technology Workshop 召集人：鍾炳釆教授/系主任 (長島大學) 主持人：鄭力原教授/系主任 (紐約市立大學)	

	主講人：王學亮教授 (紐約理工學院/國立高雄大學) 李振華教授 (紐約州立海事學院) 吳曉明教授 (紐約理工學院)	
3:30 – 5:30pm	健康人生研討會 Healthy Life Workshop 召集人：林友直教授 (聖若望大學) 主持人：李衡鈞教授 (西奈山醫藥學院) 主講人：Dr. Schuster (Private Clinic) 葉新新醫生 (私人診所) 董由子教授 (前中國衛生部行為心理研究所)	Diamond – 7th Floor
3:30 – 5:30pm	高等教育研討會 Higher Education Workshop 召集人：李弘祺教授 (紐約市立大學/清華大學) 主持人：林豐堡教授 (紐約市立大學) 主講人：鄭貞銘教授 (文化大學) 黃仁德教授/系主任 (國立政治大學) 郭秋義主任 (駐紐約台北經濟文化辦事處文化組) 彭廣揚 (資深傳媒工作者)	Topaz – 7th Floor
3:30 – 5:30pm	都市計劃研討會 City Planning Workshop 召集人：鄭向元 (前紐約市政府主任都市計劃師) 主持人：錢一之教授 (新澤西理工學院) 主講人：顧雅明理事長 (法拉盛華商會) 陳輝泗建築師 (陳輝泗建築事務所) 馬士珍董事 (華人策劃協會) 廖香生 (前紐約市政府主任都市計劃師) 鄭向元 (前紐約市政府主任都市計劃師)	Gallery – 7th Floor
6:00 – 10:00pm	晚宴、頒獎、主題演講、貴賓致詞、及餘興節目 (中國國技變臉, 流行歌曲演唱, 雙人魔術, 熱情拉丁舞, 卡拉OK 及社交舞) 。 Banquet, Awards, Keynote speech, and Entertainment (Mask changing/Bian lian, Singing performance, Magic show, Latin dance, Karaoke and dancing).	Phoenix Ballroom – 2nd Floor

美東華人學術聯誼會

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2008 CAAPS Board of Directors

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Corporate Secretary: George Cheng 鄭力原

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Jerry Cheng 鄭向元	I-Jy Steven Chien 錢一之
Dennis Ben-K Hwang 黃本魁	Spencer Kuo 郭思平
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Advisors to President

Mark Lin 林友直　　John Tseng 曾令寧

2008 Executive Committee

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Vice Presidents 副會長	
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Convention Affairs:	Chen-Hua Lee 李振華
External Affairs:	Gene Wang 汪俊延
Secretary 秘書:	L. Sun 孫凌
Treasurer 財務:	Winni Lin 林怡君

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L. Sun 孫凌	Winni Lin 林怡君
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Emily Wan-Ping Hsieh 謝宛萍	Singing His-Ying Lee 李昕穎
Anita Ya-Chen Lin 林亞蓁	Nicky Yeu-Peng Hwang 黃羽芃

美東華人學術聯誼會

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2008 CAAPS Awards

PROFESSIONAL ACHIEVEMENT AWARD
專業成就獎

Prof. J. M. Cheng 鄭貞銘

Prof. Jen-Te Hwang 黃仁德

Dr. Jentung Ku 古仁棟

ROLE MODEL AWARD 楷模獎

Prof. John Tseng 曾令寧

Mr. Jerry Cheng 鄭向元

OUTSTANDING COMMUNITY SERVICE AWARD
傑出社區服務獎

Mr. Kwok-Choy Leung 梁國材

SERVICE AWARD 傑出服務獎

Ms. Jennifer Tung 童惠珍

美東華人學術聯誼會

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2008 Banquet Program
晚 宴 節 目 表

August 23, 2008
Sheraton LaGuardia East Hotel, Flushing, New York

Master of Ceremony 主持人	**Pat Lo 趙文萃**
Welcome 董事長及會長致歡迎詞	**Feng-Bao Lin 林豐堡** **Dennis Hwang 黃本魁**
Distinguished Guest Speech 特別來賓致詞	**Kenneth Liao 廖港民** **Justin C. Yu 于金山**
Keynote Speech 主題演講 **"美國國家航空暨太空總署之研究與其相關應用簡介"**	**Jentung Ku 古仁棟**
Award Ceremony 頒獎	**Feng-Bao Lin 林豐堡**

Entertainment 娛興節目表演

中國國技–變臉 (Mask Changing/Bian Lian)	**趙乃義**
流行歌曲演唱 (Singing Performance)	**王嘉玲**
雙人魔術 (Magic Show)	**崔偉，李影**
熱情拉丁舞 (Latin Dance)	**Jason Dai and Patricia**
卡拉 OK 及社交舞 (Karaoke and Dancing)	

美國國家航空暨太空總署之研究與其相關應用簡介

Keynote Speaker

Dr. Jentung Ku
古仁棟博士
Manager of Thermal Laboratory
NASA's Goddard Space Flight Center
Greenbelt, Maryland

Manager of Thermal Laboratory at NASA's Goddard Space Flight Center in Greenbelt, Maryland. He has been working on two-phase thermal technology for more than 25 years, and is an internationally recognized expert. Since joining NASA in 1991, Dr. Ku has served as Principal Investigator for two technology development projects and four flight experiments aboard the Space Shuttle. In 2005, he received Moe Schneebaum Award, the highest engineering honor from NASA in recognition of his superior engineering contribution for the development and implementation of two-phase thermal control systems for numerous NASA missions. He is also the recipient of two NASA Medals for Exceptional Achievements and Exceptional Service. Dr. Ku received his B.S, degree in Nuclear Engineering from National Tsing Hua University, and Ph.D. degree in Mechanical Engineering from Purdue University.

Session 1
Technology and Application
科技運用

1:00 - 3:00pm
Diamond, 7th Floor

召集人： 郭思平教授
紐約大學科技學院

主持人： 沈永清教授
紐約 Siena 學院

主講人： Prof. B. R. Cheo, 周汝紹教授 (紐約大學科技學院)
Polytechnic Institute of New York University, Brooklyn, NY

講 題 ： A Cavity Based SSD High Power RF/microwave Amplifier for Communications Applications

主講人： Dr. Jentung Ku, 古仁棟博士/主任 (美國國家航空暨太空總署)
NASA Goddard Space Flight Center, Greenbelt, Maryland

講 題 ： Loop Heat Pipes for Spacecraft Thermal Management

主講人： Prof. Spencer Kuo, 郭思平教授 (紐約大學科技學院)
Polytechnic Institute of New York University, Brooklyn,

講 題 ： Plasma torches and applications

主講人： Dr. Jeng Lin 林政賢博士 (President, Kenbert Technology, Inc.)

講 題 ： Manufacturing and Application of an Energy Material to Electricity Distribution

A Cavity Based SSD High Power RF/microwave Amplifier for Communications Applications

Prof. B. R. Cheo 周汝紹教授

Polytechnic Institute of New York University, Brooklyn, NY

Abstract

The explosively rapid development of the solid state technology during the past several decades has led the nearly total replacement of the venerable vacuum electronic tubes in various systems and applications. The only notable exceptions to this development occur in applications where both high power and high frequency are needed. It is most evident in these applications, the vacuum electronic devices, i.e., the microwave tubes, still dominate. The state of the art technology in high power RF amplifiers utilizes pcb circuitry to combine discrete devices to achieve high power. The efficiency is poor and cost high. The number of devices that can be combined effectively is no more than four and hence with limited power capability.

This talk presents a breakthrough technology in achieving high SSD power at RF/microwave frequencies by combining a large number of devices (typically 6-20, and possibly more) using a pair of resonant cavities with no loss of efficiency and at unusually low cost. A brief description of the technology will be given. Several important application areas will be discussed.

周汝紹教授： *Professor Emeritus* of Polytechnic University (Effective 07/08, Polytechnic Institute, New York University), and President and Founder of Aria Microwave Systems, Inc., a New Jersey incorporated company. In a career of over half century, his work has spanned a broad spectrum of areas, from basic scientific research to strongly industrial applications. His invention, the active cavity radio frequency cavity amplifier, is an important breakthrough in high power RF/microwave solid state amplifier technology that can have industry wide impact in many areas of application. Other than his career long positions in academia, he has also provided consulting services to various industrial and government organizations, including Grumman, Norden, Bell Labs, US Army Electronic Technology and Device Laboratory, and Los Alamos National Laboratory. He has earned his BS degree from Taiwan College of Engineering (Chenkung University), MS from University of Notre Dame, and Ph.D. from University of California, Berkeley, all in Electrical Engineering.

Loop Heat Pipes for Spacecraft Thermal Management

Dr. Jentung Ku 古仁棟博士

NASA Goddard Space Flight Center, Greenbelt, Maryland

Abstract

A loop heat pipes (LHP) is a two-phase heat transfer device that utilizes the evaporation and condensation of a working fluid to transfer heat, and the capillary forces developed in fine porous wicks to circulate the fluid. A typical LHP, shown in Figure 1, consists of an evaporator, a condenser, a reservoir, and vapor and liquid transport lines. Only the evaporator and the reservoir contain wicks; the rest of the loop is made of smooth tubing. The wick in the evaporator is made with fine pores to develop a high capillary pressure to circulate fluid around the loop, whereas the wick in the reservoir is made with larger pores to manage fluid ingress and egress.

In applications, the evaporator is attached to a heat source and the condenser is attached to a heat sink. The operating principle of the LHP is as follows. As heat is applied to the evaporator, liquid is vaporized and the menisci formed at the liquid/vapor interface in the evaporator wick develop capillary forces to push the vapor through the vapor line to the condenser. Vapor condenses in the condenser and the capillary forces continue to push liquid back to the evaporator. The waste heat from the heat source provides the driving force for the circulation of the working fluid and no external pumping power is required. The two-phase reservoir stores excess liquid and controls the operating temperature of the loop.

An LHP can transport a large amount of heat over a long distance with a small temperature difference. Main advantages of the LHP include: 1) It is passive and requires no external pumping power; 2) It is self-regulating in that the evaporator will draw as much liquid as required by the applied heat load so that the fluid always exits the evaporator as pure vapor; 3) It utilizes evaporation and condensation for highly efficient heat transfer, resulting a very small temperature difference between the heat source and heat sink; 4) Its operating temperature can be maintained at a desired temperature, and the set point temperature can be changed while the device is operating in space; 5) It has no moving part, and hence is free of vibration; 6) Its vapor and liquid transport lines are made of smooth tubing and thus provide design flexibility; 7) It has a very high pumping capability and can work against gravity up to many meters of adverse elevation; 8) It can be shut down by raising the reservoir temperature above the evaporator temperature. Thus the LHP works as a thermal switch; and 9) No heat will be transferred from the condenser to the evaporator when the condenser sink is warmer than the heat source because the condenser contains no wick structure. Thus, the LHP works as a thermal diode.

Because of their versatility and robustness, LHPs have gained increasing acceptance for thermal control of spacecraft and instruments. They have been used for thermal control of many NASA spacecraft, including ICESat, AURA, Swift, and GOES. Many commercial communications satellites also utilize LHPs. Each LHP is servicing a designated instrument and carries up to hundreds of watts. Over many years, these LHPs have demonstrated excellent performance that meets or exceeds the design requirements.

Recent LHP technology developments have focused on the following areas: 1) LHPs with multiple evaporators

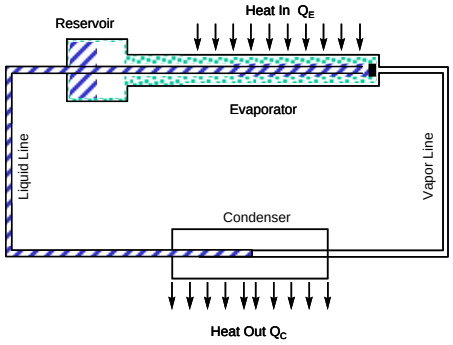


Figure 1. Flow Schematic of a Loop Heat Pipe

and multiple condensers; 2) miniature LHPs; and 3) cryogenic LHPs. An LHP with multiple evaporators can serve as a thermal bus that maintains several instruments at similar temperatures. It also provides an inherent heat load sharing among the instruments. When an instrument is turned off, that instrument will automatically draw heat from other "on" instruments, thus reducing or eliminating the need of supplemental heater power to maintain its temperature. Multiple condensers allow the radiators to be placed at various locations on the spacecraft surface. Even when some of the radiators face the sun, the LHP can continue to operate as long as the other radiators can dissipate the total heat load. Several LHPs with multiple evaporators and multiple condensers have been developed and demonstrated excellent performance in thermal vacuum chambers.

The LHPs currently servicing orbiting spacecraft have a single evaporator with a 25-mm outer diameter. For small spacecraft applications, miniaturization of the LHP is necessary in order to meet the stringent requirements of low mass, low power and compactness. Several miniature LHPs having a single or multiple evaporators with 6.4mm outer diameter have been built and successfully demonstrated operation in ground tests. These miniature LHPs have small vapor and liquid lines with outer diameters ranging from 1.6 mm to 2.4 mm.

Many space science instruments require LHPs to operate in the cryogenic temperature range. The development of cryogenic LHPs faces several technical challenges, e.g. start-up from a supercritical state, parasitic heat leaks to the liquid line, and high system pressure at ambient temperature. Significant progresses have been made recently to overcome these challenges. Cryogenic LHPs operating in temperatures around 70K, 30K, 20K, and 3K have been successfully developed and tested in thermal vacuum chambers using nitrogen, neon, hydrogen, and helium as the working fluid, respectively.

古仁棟博士/主任： Manager of Thermal Laboratory at NASA's Goddard Space Flight Center in Greenbelt, Maryland. He has been working on two-phase thermal technology for more than 25 years, and is an internationally recognized expert. Since joining NASA in 1991, Dr. Ku has served as Principal Investigator for two technology development projects and four flight experiments aboard the Space Shuttle. In 2005, he received Moe Schneebaum Award, the highest engineering honor from NASA in recognition of his superior engineering contribution for the development and implementation of two-phase thermal control systems for numerous NASA missions. He is also the recipient of two NASA Medals for Exceptional Achievements and Exceptional Service. Dr. Ku received his B.S, degree in Nuclear Engineering from National Tsing Hua University, and Ph.D. degree in Mechanical Engineering from Purdue University.

Plasma torches and applications

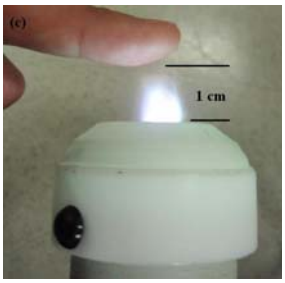
Prof. P. Kuo 郭思平教授

Department of Electrical and Computer Engineering
Polytechnic Institute of New York University, Brooklyn, NY

Abstract

Development of plasma torches, which carry desirable features for biomedical applications are reported. The desirable features include 1) producing air plasma carrying abundant dry and nondestructive decontaminant (RAO), which is "green" and is effective in killing a virulent and/or virulent anthrax SPORES, as well as other microorganisms; 2) portable, fast working, and operates stably with air discharge; and 3) produced plasma torches are low temperature and touchable.

Several devices are designed for specific applications. Among those, a handheld air plasma spray design will be demonstrated. Plasma is generated by a magnetized arc torch running at 60 Hz and is in non-equilibrium state; thus, the plasma effluent has relatively low temperature (< 75^0 C) and yet contains high energy electrons (> 5 eV ~ 55000 K) capable of dissociating oxygen molecules to produce atomic oxygen. The average power and volume of the torch is about 350 W and 7 cc. The emission spectroscopy of the torch indicates that the plasma effluent carries abundant atomic oxygen, which extends from the nozzle of the torch about 40 mm. As an application, tests using this torch for blood coagulation were performed. The experimental results show that this torch can rapidly clot blood via a non-thermal process.



郭思平教授: Professor of Polytechnic Institute of New York University; he received B.S. and M.S. degrees from National Chiao-Tung University, Taiwan R.O.C. in 1970 and 1973, and Ph.D. degree in 1977 from Polytechnic Institute of New York. He initiated and ran a nationwide "summer research program for college juniors" in the EE department of Polytechnic University from 1985 to 1991.

Dr. Kuo conducted the first experiment using rapidly created plasma to up-shift the electromagnetic wave frequency. His experiment conducted in a Mach 2.5 wind tunnel demonstrated that the shock wave appearing normally in front of a wind tunnel model could be eliminated totally by the on-board generated plasma. The experimental discovery paves a new way for solving aeronautic problems of sonic booms and severe wave drag in supersonic flights. He has invented several arc/microwave plasma torches that are applied for sterilization and blood coagulation as well as for being an igniter and fuel injector of a scramjet engine (for hypersonic flights).

Dr. Kuo is a fellow of the IEEE. He has been a PI for more than thirty research projects awarded by the AFOSR, NSF, NASA, and ONR. Eleven students have received PhD degrees under his supervision. He has published more than 170 journal papers and authored about 80 proceedings issued articles, and has two U.S. patents, one ROC (Taiwan) patent, and five pending. He was an associate editor of Radio Science from 1993 to 1996. He received an outstanding research award from the Sigma Xi in 1990, and was a recipient of 2005 Asian-American Engineer of the Year Award presented by The Chinese Institute of Engineers (CIE-USA).

Manufacturing and Application of an Energy Material to Electric Power Distribution

Dr. Jeng S. Lin 林政賢博士
Kenbert Technology, Inc., Morristown, NJ

Abstract

The current use of electric power distribution transformers (DT) made of Silicon Steel (SiFe) core is causing a large portion of energy losses on the distribution system. It is estimated that over 50 billion KWh in the United States and 30 billion KWh in China today are dissipated annually in the form of DT core losses. In the past 25 years, Allied Signal developed and commercialized amorphous metal (AM) for the DT core. As opposed to Silicon Steel, a DT made of AM ribbons is efficient to magnetize and demagnetize at the line frequency due to their lack of crystallinity and has reduced eddy current losses. As a result, an AMDT reduces the core (also known as no load) losses by 70% as compared to a high efficient SiFe counterpart. The economic and environmental benefits of using AMDT's to the world are obvious in terms of billions of electricity savings annually, eliminating hundred millions tons of Carbon Dioxide emissions, and avoiding new constructions of power generation plants.

The combination of near eutectic composition of Iron-base alloy, $Fe_{80}B_{11}Si_9$, and the rapid solidification process prevents the alloy from being crystallized and are solidified in an atomic random pattern. The amorphous state is achieved by quenching the liquid metal at a rate of 1,000,000 ^{o} C. In a commercial process, the alloyed liquid metal is fed into a thinly slotted nozzle and is ejected onto a high conducting rotating wheel. A thin liquid sheet is formed on the wheel by bringing the nozzle close to the wheel within a fraction of 1 mm, which makes the high quenching rate a reality. In addition to the unique microstructure, a successful commercialization requires producing wide and flat ribbons with minimum degradation into a cast. The desired ribbon geometry is necessary to make an AMDT cost competitive to the SiFe counterpart as many ribbons are laminated to form a core. Several technical breakthroughs were made on the nozzle and the quenching wheel and have made the commercialization possible.

The direct as cast thin metal sheet is then wound into a package ready to be sent to customers. The direct cast without requiring any secondary process as compared to the competitive material generates significant savings on manufacturing cost.

Over 2 million AMDT's have been in service throughout the world since 1984. Their reliability and performance has been well established. With the surging energy price and climate change, demand for AMDT is increased and manufacturers are adding more capacity. A full conversion of SiFe transformer to AMDT will save electric power of more than 120 billion Kwh and reduce over 110 million tons of CO_2 per year worldwide.

林政賢博士: Dr. JENG S. LIN received Ph. D in Mechanical Engineering from University of Illinois, Champaign-Urbana, IL in 1981. Since 2007, he has been the President of Kenbert Technology, Inc., Morristown, NJ. His responsibilities include "Developing business and providing consultation to industries for continuous process improvement and product commercialization."

His past experience:

Owens Corning Corp. 2002-2007
Composite Solution Business, Science & Technology Center
Granville, OH

Project Manager

Developed process of making high performance fiber glass for composite reinforcement.

Honeywell (Formerly Allied Signal) 1981-2001
Morristown, NJ

Senior Principal Engineer

Responsible for process development, commercialization, marketing, and joint venture for amorphous metals.

Session 2
Finance and Economics Workshop
財政經濟研討會

1:00 - 3:00pm
The Gallery, 7th Floor

召集人： 陳泰明教授
聖若望大學

主持人： 蔡偉彥教授
哥倫比亞大學

講 題： 美國經濟現況與展望

主講人： 黃本魁教授
賓州州立布隆斯堡大學

講 題： 美國次級房貸風暴對台灣金融機構及不動產市場之影響

主講人： 黃仁德教授/系主任
國立政治大學

講 題： 大中華地區的策略聯盟與企業成長

主講人： 張東隆教授/系主任
長島大學

美國經濟現況與展望

黃本魁教授 (Dennis Hwang)

賓州州立布隆斯堡大學

1. 總體經濟模型概論
   A. 國民總生產 = 消费 + 投资 + 政府支出 + 出口 - 進口
   B. 貨幣及財政政策对上述模型的影响
2. 美國經濟衰退的六個症侯
   A. 消费信心指數下降
   B. 失業率上升
   C. 次按貸款風波及房市泡沫
   D. 銀行倒閉及銀行利潤壓缩
   E. 股市泡沫，70%股票進入熊市
   F. 其他經濟指標下降，如工業生產指数，薪資指数
3. 美國經濟前景的展望
4. 在通貨膨脹與經濟衰退中自保求生之道

DENNIS HWANG is a professor of accounting at Bloomsburg University, Pennsylvania. He earned both MS and Ph.D. degrees in economics/accounting from the University of Oklahoma. He is also holding the certificates of both CPA and CMA. He graduated from National Chengchi University and served as a section-chief and specialist at the Central Bank of China in Taipei before he came to the U.S. for his advanced studies. He was the director for the MBA Program and the Institute for Management Studies at Bloomsburg University during 1993-95. He has served as the chairperson, treasurer, or advisor for various student and professional organizations in the past many years.

Dr. Hwang's research activities and interests include managerial accounting, international accounting, international auditing, and financial accounting. He has made numerous presentations and/or conducted seminars at many universities in Taiwan and China. He is one of very few scholars who have pioneered the research on the impacts of cultural factors, such as guanxi and religions, on auditing and accounting. Dr. Hwang has authored and co-authored more than 80 articles, and about 60 of them have been published in refereed journals, conference proceedings, and professional magazines over different countries, such as U.S., Taiwan, China, India, and England. The major journals on which his papers have appeared include Managerial Auditing Journal, Journal of Macroeconomics, Finance and Accounting, The Journal of American Academic of Business, Journal of Global Awareness, and International Audit Review.

美國次級房貸風暴對台灣金融機構及不動產市場之影響

黃仁德教授/系主任 (Jen-Te Hwang)

國立政治大學

2007 年 7 月底美國爆發次級房貸風暴，就美國本土而言次級房貸問題主要因為聯準會多次升息，加上美國不動產市場景氣衰退，造成信用不佳的房貸借款人違約率大幅提昇，再加上在資金寬鬆的投資環境下，金融機構承做高風險房屋貸款的條件過於寬鬆，導致金融機構呆帳增加。此外，由於美國投資銀行利用資產證券化技術將次級房貸進行包裝並銷售至世界各國，在金融交易國際化下，使系統風險傳播更為迅速，加上擔保債權憑證商品的損失衡量需要複雜且專業的風險管理技術，在投資機構法人缺乏有效的風險管理下，終於造成跨國的連鎖金融反應。

此一金融風暴對美國的影響主要有四：

1. 信用市場因房貸授信違約率提高，使金融機構降低房貸承做金額，造成信用緊縮。
2. 不動產市場因為購屋者缺乏足夠的金融奧援，而更加低迷。
3. 美國股市因為次級房貸風暴而大幅下挫。
4. 美國經濟復甦力道亦因為本次金融風暴變得更為疲弱。

美國次級房貸風暴對台灣的影響，本文分別從央行利率走勢、不動產市場、及房貸信用市場予以分析，結果如下：

1. 在央行利率走勢方面。央行重貼現率與美國聯邦資金利率兩者，在 2004 年至 2007 年 9 月之間均呈現上升趨勢，但自從美國爆發金融風暴後，美國採降息政策，以避免次貸問題加速擴大，而台灣為對抗物價膨脹壓力，採升息政策因應。
2. 在不動產市場方面。自從美國發生次級房貸風暴後，購屋者對於房市景氣的看法趨於保守，交易量萎縮，房地產的股價也大幅下跌。
3. 在房貸信用市場方面。至 2008 年 5 月，金融機構承做房貸授信金額，仍維持緩步增加趨勢，目前並未看到信用緊縮現象，但仍須注意因為不動產市場變化造成金融機構呆帳增加的可能性。

又依據金管會公布資料，2007 年至今美國次級房貸風暴對台灣銀行業約造成

341.72 億元新台幣損失，對保險業約造成 84 億元新台幣損失，金融機構投資次貸、二房相關商品約 849.53 億元新台幣，目前除永豐金控已提列 84%呆帳損失外，其餘金控損失提列比率約在 20%上下，次貸對金融機構獲利影響仍須依據未來金融風暴演變情形而定。

此次金融風暴帶給吾人的金融監理的啟示主要為：

1. 加強金融機構風險管理能力。無論是房貸風險報酬定價或投資資產證券化商品言，金融機構的風險管理仍有很大的改善空間，而監理機關必須肩負起教育訓練之責。
2. 增加交易透明度。金融交易資訊越透明，則越容易進行風險管理，本次金融機構受累於 CDO 交易即是「資訊不對稱」最佳的證明。
3. 增強對於金融機構財務及營運狀況的監視及平時查核。自發生金融問題，乃至財務報表揭露相關虧損，可能需時甚久，經過會計師查核後的虧損已是強弩之末，為時已晚，事前的稽核與追蹤才是治本清源之策。

黃仁德博士目前為國立政治大學經濟學系教授兼系主任。 從 1977 年 6 月助教開始，他歷經講師、副教授、及教授完整資歷。

1977 年及 1981 年畢業於國立政治大學經濟學系，分別取得學士及碩士學位。1985 年赴美留學並於 1989 年獲得美國紐約州立大學經濟學系博士。

他專長於總體經濟學、貨幣與金融、和國際金融市場。黃博士著作等身，發表研究論文百餘篇。此外，他經常指導碩士生及博士生的研究。

大中華地區的策略聯盟與企業成長

張東隆教授/系主任 (Tung-lung Steven Chang)

長島大學

近年來，隨著中國大陸經濟的快速成長，大中華地區已成為眾多國際企業追求營運成長的目標市場。在這一波的發展中顯示兩個有趣的現象。其一，許多在中國大陸經營多年的外國公司逐漸體驗到以獨資的方式難以在當地市場一展身手。其二，有好些外國公司選擇了台商企業作為他們的策略伙伴在大中華地區進行市場佈局與深耕。大陸市場的獨特性讓許多外來的國際企業難以在市場開發成效上盡如人意。然而許多台商企業卻已在大陸市場獲得了顯著的成果。這些台商的比較利益何在？他們能夠利用此一優勢繼續強化其在大中華地區的市場地位嗎？ 本文旨在討論進入大陸市場所面臨的困境以及台商公司在前述策略聯盟中可能的貢獻與未來的挑戰。

Dr. Tung-lung Steven Chang is currently Professor and Chair of the Department of Marketing and International Business at the College of Management, Long Island University, C. W. Post campus. He has taught MBA classes at the headquarters of Northrop Grumman, Olympus, Symbol Technologies and Verizon. Dr. Chang has centered his research on the global expansion/marketing strategy of multinational corporations. His research has been published by *Journal of World Business, International Marketing Review, Journal of Global Marketing, Competitiveness Review, and International Finance Review,* among others. Dr. Chang previously served as a member of the New Jersey State Export Finance Company Advisory Council.

Session 3
Computer and Information Technology
電腦資訊

1:00 - 3:00pm
Topaz, 7th Floor

召集人： 鍾炳釆教授/系主任
長島大學

主持人： 鄭力原教授 George Cheng
紐約市立大學

主講人： 李振華教授 Chen Hua Lee
State University of New York Maritime College

講 題 ： Internet Surfing Security – Home User Be Aware

主講人： 王學亮教授 Leon Wang
National University of Kaohsiung

講 題 ： Recent Development in Knowledge Hiding in Databases

主講人： 吳曉明教授 Jack Sheau Wu
New York Institute of Technology

講 題 ： Financial Technology Research and Management Trading Systems Development and Education Beyond the System

Internet Surfing Security – Home User Be Aware

Chen-Hua Lee 李振華教授

State University of New York Maritime College

Cyber crime has become an unfortunate reality of our daily lives with "identify theft" often making news headlines. Fueled by oversight from Internet users, home users particularly, the crime proliferates ranging from phishing to malware (virus, adware/spyware, key logger to name a few) and beyond.

With well-balanced theory and best practices in mind, this presentation addresses the core concepts of Internet security, hardware/software know-hows and essential preventative measures users should be fully aware of. Equal weight will be dedicated to the after-the-fact disaster recovery. A Q&A session will follow with facilitation to exchange experiences and ideas.

李振華教授：Chen-Hua Lee received a Bachelor degree in Spanish Language and Literature from Tamkang University and served as translator/tour guide jointly for the Ministry of Foreign Affairs and the Office of Information. After the two-year military police service at the Presidential Palace, he started as Cathay Pacific Airways staff at Chung-Cheng International Airport, Taiwan. Furthering his study abroad, he earned a Bachelor degree in Computer Information System from the state Florida Atlantic University, a Master degree in Asian Studies and an MBA degree in Computer Information System/Decision Science from St. John's University (SJU), New York.

During his seventeen years of services at the Information Technology (IT) department of SJU, Mr. Lee rose from all technical ranks to be appointed as manager. Mr. Lee was held responsible for major IT projects, including the Internet/BITNET initiatives to campuses with follow-up services. Meanwhile, since 1991 he has been teaching both for the computer and management departments there as an adjunct professor for the Tobin College of Business MBA and undergrad programs.

He started teaching French MBAs-to-be for SJU's Center for Global Education on Manhattan campus since 2003. His teaching also extends to the City University of New York, US Federal Merchant Marine Academy, Kings Point and State University of New York Maritime College's transportation/business graduate school, Throgs Neck. Mr. Lee is also a frequent speaker and panel chair in community conferences sponsored by New York Telephone, Chinese American Academic and Professional Society and the Taiwanese government agencies in New York. He can be reached at LEEC@STJOHNS.EDU.

Recent Development in Knowledge Hiding in Databases

Leon Wang 王學亮教授

National University of Kaohsiung

Data Mining (DM) or Knowledge Discovery in Databases (KDD) has developed into an important technology of identifying patterns and trends from large quantities of data. While all of these applications of data mining can benefit commercial, social and human activities, there is also a negative side to this technology: the threat to data and knowledge privacy. For example, through data mining, one is able to infer sensitive information, including personal information, or even patterns from non-sensitive information or unclassified data. Recent development in Privacy-Preserving Data Mining (PPDM) or Knowledge Hiding in Databases (KDD) has proposed many efficient and practical techniques for hiding sensitive patterns or information from been discovered by data mining algorithms. In particular, hiding association rules has attracted wide interests in recent years. This talk will first present some recent developments in KHD and then focus on issues and possible future directions of hiding association rules.

王學亮教授: Leon Wang obtained his Ph.D. from State University of New York at Stony Brook in 1984. From 1984 to 1987, he was assistant professor in mathematics at University of New Haven, Connecticut, USA. From 1987 to 1994, he joined New York Institute of Technology as research associate in the Electromagnetic Lab and assistant/associate professor in the Department of Computer Science. From 1994 to 2001, he joined I-Shou University in Taiwan in the Department of Information Management and served as Director of Computing Center, Chairman of Department of Information Management, and director of Library. In 2002, he was Associate Professor and Chairman in Information Management at National University of Kaohsiung, Taiwan. In 2003, he rejoined New York Institute of Technology. He is now with National University of Kaohsiung.

Dr. Wang has published 38 journal papers, 108 conference papers, and 6 book chapters, in the areas of data mining, machine learning, expert systems, and fuzzy databases, etc. Dr. Wang is a member of IEEE, Chinese Fuzzy System Association Taiwan, Chinese Computer Association, and Chinese Information Management Association.

Financial Technology Research and Management
Trading Systems Development and Education Beyond the System

理財科技研究管理

交易系統軟體研發與體制外教育

Jack Wu 吳曉明教授
New York Institute of Technology

1999 現金外匯才開放给交易商，經紀商及一般民眾。至今，現金外匯已成最大最重要投資項目。 軟件全自動交易由銀行網路提供 24 小時服務。經市調，華人尚在起步階段。因每日約有 3 兆美金交易，大於全球每日股市 30 倍。故商機無限大。這也是一个正在普及的新契機。

財務市場可由自然法則(Nature's Law) 分析人類行為，經人腦網路 (Neural Networks) 精密學習，最后，由遺傳工程 (Genetic Algorithm) 優化而成。

鑒天下以教育為母，大同共享為子。體制外教育提供實務實用。體制內教育應有借鏡之處。我们呼喻拓展自動理財和教育全自動理財軟體開發。這個突破華人傳統理財的觀念，應協助下一代經營平安稳定生活。

The Forex market was deregulated and opened to money brokers, registered dealers and speculators in 1999. Up to date, it is the largest financial market in the world. Since banks provide 24 hours network services, therefore, the automatic trading system was developed to save more manpower. According to the market survey, the forex trading is still at the beginning stage in Chinese market. The worldwide transaction is about three trillion every day and it's 30 times of this in stock market. It's a real potential market and getting popular.

The financial market can be analyzed by using natural law to understand human behaviors; using neural networks to learn and genetic algorithm to optimize.

Our mission is to migrate the traditional Chinese money management and the automated trading system together to establish a wealthy life beyond the classroom education.

吳曉明教授: Jack Sheau Wu is a professor in computer sciences, New York Institute of Technology (1985-current).

Professional Research and development activities (8/1982 - 10/2008)

- **Financial Engineering:**
  - **Automated Trading System:**
    Research and development of Financial Engineering for automated trading System using C/C++ and API. 2002-2008. Design and implement the algorithms (Neural Networks, Genetic Analysis, Nature Laws, Quantitative Analysis etc.).
  - **H.323 network protocol** and**Voice IP**:

  The Design and implementation of ITU - H.323 protocol used for Internet conference and Voice IP.2003 – 2004.

- **British Broadcasting Corp., McGraw-Hill Companies** and Ladder International Group in a joint venture project of using a set of twenty-four CD-ROMs for an English Language Teaching (ELT) program for foreign countries.

- **Principal publications** - A multimedia CD-ROM called MOOKI was created in 1997 with a group of students at The New York Institute of Technology.

- **McDonnel Douglas** - Designed The Medical Office Accounting Control System, Integrated Tymshare Public Switched Data Network with an Automated System FCM56 airplane engine application system.

Session 4

Healthy Life

健康人生

3:30 - 5:30pm
Diamond, 7th Floor

召集人： 林友直教授
聖若望大學

主持人： 李衡鈞教授
西奈山醫藥學院

主講人： Dr. Michael W. Schuster, MD (Private Clinic)
講 題 ： New Cancer Treatment Directions

主講人： 葉新新醫生, MD, PhD (私人診所)
講 題 ： Adult vaccination

主講人： 董由子教授 (前中國衛生部行為心理研究所)
講 題 ： 道家內丹之長生方技

New Cancer Treatment Directions

Prof. Michael Schuster, MD

Private Clinic

Abstract

One of the most exciting developments in cancer therapy over the past few years has been so-called targeted therapy. Instead of merely using traditional chemotherapy (which still has an important place in cancer treatment), we are now able to develop drugs that specifically target underlying cancer cell mechanisms. This has resulted in more effective treatments that also have fewer side effects.

The paradigm for this type of therapy is Gleevec, a drug that was specifically designed to treat chronic myelogenous leukemia. In the past, the only cure for this disease was a bone marrow transplant. Now, patients can take one pill/day after breakfast and eliminate all molecular traces of the disease. Recent developments in this area and other types of therapy will be further discussed.

Michael W. Schuster, M.D. is a Professor of Medicine at the Weill Medical College of Cornell University and the Director of Bone Marrow and Blood Stem Cell Transplantation within the Division of Hematology/Oncology at the New York Presbyterian Hospital. He is a Summa cum Laude Graduate of Dartmouth College and Dartmouth Medical School. He completed his training in hematology/Oncology at Boston's Beth Israel Hospital and a postdoctoral fellowship in molecular biology at Harvard University.

He has been the principle investigator for more than 150 clinical trials over the past 20 years and has worked extensively in the area of oncology new drug development. He has been involved in clinical trials that have led to registration of breakthrough oncology drugs such as Gleevec and Velcade. His research interests include new drug development in hematologic malignancies, including multiple myeloma, lymphoma and leukemia, therapeutic uses of cytokines, bone marrow and blood stem cell transplantation, as well as the role of pro-inflammatory cytokines in geriatric and cancer cachexia, anemia, and in other disease states. He has published in these areas and lectures widely on topics in new drug development, transplantation, and treatment of hematologic malignancies. He maintains a large clinical practice in Manhattan and on Long Island and has been named yearly for the past several years as one of New York's Best Doctors in New York Magazine.

Adult vaccination

Prof. Shing-shing Yeh, PhD, MD

SUNY Hospital at Stony Brook
Geriatric Division Department of Medicine
VA Medical Center at Northport
Northport, New York

Abstract

The adult vaccination will focus on vaccination issues that are unique to the adult population, including the latest data on the benefits and risks of influenza vaccination, current recommendation for the use of zoster vaccine in older adult and may include the new human papillomavirus (HPV) vaccine to prevent cervical cancer if time permit.

Shing-shing Yeh, MD, PhD, completed her medical degree at the University of Miami School of Medicine. She also holds a PhD in Biochemistry from the Dartmouth Medical School. After completing her residency at the Salem Hospitals, Salem, Massachusetts and rotations at The Massachusetts General Hospital in Boston, Dr. Yeh served as attending physician at SUNY Stony Brook University hospital, the Parker Jewish Geriatric Institute, and the Geriatric Service of the Northport VA Hospital, where she attends today. She is currently an Associate Professor of Medicine at Stony Brook University Hospital, as well.

Dr. Yeh has published many papers on a variety of topics in geriatric, including the treatment of geriatric weight loss, cytokines in cachexia, risk factors relating to inflammation and nutrition in plasma for Survival Among Cachectic Geriatric Patients; and an investigator for clinical trial in the VA Cooperative Trial of the herpes zoster vaccine trial in older adults, known as the Shingles Prevention Study. She also presented studies on Risk Factors For Osteoporosis in a Subgroup of Elderly Men in Our Veterans Administration Nursing Home, treatment of anemia in the elderly, treatment of geriatric weight loss. She recently published a book as a Co-editor about Cachexia and wasting. Dr.Yeh is board certified in internal medicine and geriatric medicine, a member of the American Medical Association, American College of Physicians, the American Geriatrics Society, and the Gerontological Society of America.

道家內丹之長生方技

董由子

前中國科學研究院物理研究所及心理研究所及前中國衛生部行為心理研究所

內丹(Inner Elixir)起源於中國二千四百多年前，春秋戰國老子及莊子的清靜無為的道家理念。後發展成為守一、坐忘、行氣(吐故納新)及藥引等養生術。一千八百多年前道教創立後，修道成仙及長生不老成為其主要宗旨。隋唐後，內丹方技逐漸實用化，並為呂洞賓等人將其代代相傳。由於其神秘性，使人讀盡丹經千萬篇，最後一招無人言。本人願將五十二年來修煉內丹之心得體會在此拋磚引玉，剝露給大家，使世人打消修丹之神秘性，經過短暫實踐即可操作，並享受到幸福快樂、健康長壽之實效，確信"大道至簡至易"、"方法歸一"、"天下無二道，聖人無二心""我命在我不在天地"的論斷。

精氣神的修煉程序並不像道書中所言要築基、煉精化氣一百日、煉氣化神十個月、煉神還虛要九年；只要知"道"、悟"道"、行"道"，並堅持修"道"，使生命出現最佳狀態的"仙境"。那時人人皆可靈活運用方技，並使其創新。正像英國科學家李約瑟博士所說:內丹修煉術是中國生物學的典範，內丹術的科學解釋乃基於生物化學，特別是內分泌學的研究。

內丹方技除了使人健康長壽外，還可使中老年男性免於陽痿，還可使優秀的運動員創造好成績，使憂鬱症患者腦部分泌快樂物質。"精神的東西要用精神來打倒"，您信不信？反正我信。

董由子教授：畢業於西安西北大學物理系。曾服務於中國科學研究院物理研究所及心理研究所，以及中國衛生部行為心理研究所。董由子結合內丹及生物反饋(Biofeedback)加以研究，曾獲有多種國家獎項，現已退休。

Session 5
Higher Education
高等教育

3:30 - 5:30pm
Topaz, 7th Floor

召集人： 李弘祺教授
紐約市立大學/清華大學

主持人： 林豐堡教授 Feng-Bao Lin
紐約市立大學 City College of New York

主講人： 鄭貞銘教授 (文化大學)
講 題 ： 傳播、教育、文化

主講人： 黃仁德教授/系主任 (國立政治大學)
講 題： 台灣財經學生出國留學之現況及展望

主講人： 郭秋義主任 (駐紐約台北經濟文化辦事處文化組)
講 題： 國際文化教育與留學生服務

主講人： 彭廣揚先生 (資深記者)
講 題 ： 從京奧省思美國華人和亞裔運動員、教練員的教育和貢獻
(The Education and Contribution of Asian American Athletes and Coaches in America)

Session Chair: Dr. Feng-Bao Lin 林豐堡

Feng-Bao Lin earned his Bachelor's degree in Civil Engineering and Master's degree in Structural Engineering both from National Taiwan University in Taipei, and received his Ph.D. in Structural Mechanics from Northwestern University in Evanston, Illinois. He joined Polytechnic University in New York as a faculty member soon after he graduated from Northwestern University, and then joined The City College of New York in 2002. He teaches Reinforced Concrete Structures, Prestressed Concrete Structures, Steel Structures, Inelastic Structural Analysis, Stability of Structures, Structural Dynamics and Finite Element Methods among other subjects. Many of his Ph.D. students after graduation either work with renowned organizations or teach at well-known universities.

Dr. Lin has conducted various research projects for National Science Foundation, Air Force, NASA, AISC, Argonne National Laboratory, etc. Currently, he is working on research topics such as Seismic Evaluation and Isolation Retrofit of Long-Span Bridges, Development of Structural Integrity Monitoring System for Buildings Damaged by Fire, Characterization of Stress Separation Relation and Boundary Element Analysis of Crack Propagation in Cementitious Materials, and Seismic Analysis of Coupled Structural Systems with Non-Proportional Damping. Dr. Lin has been active in various professional societies and has served as committee member on a number of professional committees. He has published more than sixty journal and conference papers, and has received several Outstanding Merit, Outstanding Service, and Outstanding Science and Technology Research Paper awards for his dedication to research and active participation in professional organizations.

Dr. Lin earned a professional license in Civil Engineering in 1977 by passing the highest professional examination in Taiwan. He is also a practicing licensed engineer in the states of New York and Connecticut. He has worked as a consultant, besides his diversified research interests, on many reinforced concrete and steel building and bridge structure design projects.

傳播、教育、文化

Speaker: 鄭貞銘 教授

Abstract/Outline

一、 人類運作的三大主軸，總匯為文化 二、 傳播在溝通人類心靈，建立共識 （1）大眾傳播的擴大作用 （2）大眾傳播的活潑作用 A. 自尊的提高 B. 同情心的提高 C. 大眾智慧的發揮 三、 教育在創造及承傳文化	四、 我的大學教學理念 （1）大學在大師，不在大廈 （2）無愛不成師 （3）只認教室，不認校門 （4）老師是永遠的學生 （5）青出於藍而更勝於藍 五、 文化的內涵 （1）文化是什麼 （2）經濟使人羨，文化使人敬

鄭貞銘教授: 國立政治大學新聞學士、碩士。 **現任:** 中國文化大學新聞研究所教授, 中華民國傳播發展協會理事長、中國國民黨中央評議委員、及上海交大、福建師大、湖南大學、中南大學客座教授。 **曾任:** China post 副社長兼總編輯, 新生報、中華日報主筆, 中央通訊社常務監事、青工會總幹事、專任委員、文工會副主任, 文化大學新聞系主任、所長 、院長、及 輔仁、淡江、師大、中原等大學兼任教授。 **曾獲:** 臺北扶輪社最有貢獻學者獎、紐約中文記者協會終身成就獎、北加州資深記者聯誼會終身成就獎。

台灣財經學生出國留學之現況及展望

Speaker: 黃仁德教授/系主任

黃仁德博士目前為國立政治大學經濟學系教授兼系主任。 從 1977 年 6 月助教開始，他歷經講師、副教授、及教授完整資歷。

1977 年及 1981 年畢業於國立政治大學經濟學系，分別取得學士及碩士學位。1985 年赴美留學並於 1989 年獲得美國紐約州立大學經濟學系博士。

他專長於總體經濟學、貨幣與金融、和國際金融市場。黃博士著作等身，發表研究論文百餘篇。此外，他經常指導碩士生及博士生的研究。

國際文化教育與留學生服務

Speaker: 郭秋義主任

學歷:

日本早稻田大學教育學研究所碩士，語言學研究所及博士班研究。

經歷:

1. 文化大學東語系兼任副教授。
2. 國立臺北教育大學兼任副教授。
3. 國防部參謀本部外語特訓班副教授。
4. 駐華府美國代表處一等文化秘書。
5. 駐波士頓臺北經濟文化辦事處文化組組長。
6. 駐紐約臺北經濟文化辦事處文化組主任。

從京奧省思美國華人和亞裔運動員及教練員的教育和貢獻

Education and Contribution of Asian American Athletes and Coaches in America

Speaker: 彭廣揚 (Alex Peng)

Abstract

Judging from recent sports pages, magazines, and television briefs, the prominence of Asian and Asian American players seems to be on the upswing. Tiger Woods, Yao Ming, and Chien-Ming Wang are just a few of the famous faces that have become part of the public focus in the past few years. However, these are only a select few amongst the formidable number of Asian Americans in sports who are active in different roles. Few, if any, easily recognize the names of Dat Nguyen, Julie Chu, or James Li. Representation and visibility of Asians and Asian Americans in the public eye are some of the major hurdles that the Asian American population still encounters daily and will continue to do so if discussion about this issue is not fostered.

As evidenced by the newfound recognition and growing popularity of athletes, as well as the push into Asia, specifically the Chinese audience by the NBA and other major sport s leagues, it seems as if the relative obscurity and invisibility of Asian Americans are being rectified. Yet, the number of easily distinguishable faces, even among a potential target audience of Asians worldwide and Asian Americans, is significantly paltry in comparison to players of other ethnicities.

The relative scarcity of known athletes begs the question of whether or not enough progress has been made in the efforts to raise public awareness of ethnic diversity. One can point out that the very fact that these aforementioned athletes are popular and actually discussed in primetime television programs is a victory in and of itself. This accomplishment isn't something to thumb one's nose at; that these individuals have been able to capture the imagination of the American public, however briefly, is admirable. There are celebrity-athletes such as Yao Ming and household names such as Michelle Kwan, both of whom are already part of the general public mindset. In addition, following the recent and continuing efforts to expand professional sports into China and other Asian countries, the New Jersey Nets have just received Jianlian Yi from the Milwaukee Bucks just prior to the 2008 NBA Draft. Considering the future home of the Nets, Brooklyn, and the large Chinese market in New York, it is almost apparent that this recent trade might be a blatant effort to appeal and perhaps embrace the Chinese/Asian-American market, in addition to attempting to expand their audience base in an area that is sports-oriented and Chinese-speaking. The Nets have already seen some of their efforts rewarded – thirty-six hours after the Yi trade, 200 season tickets were sold. Combining this with the trail-blazing efforts of Yao Ming and Chien-Ming Wang, and others, there is a growing trend, in which teams are actively reaching out to the Asian American community. These are significant steps in increasing Asian American visibility and representation in sports, be they professional or not.

Nevertheless, one can also demonstrate that the actual picture seems more like that the media can only focus on certain athletes at once without tapping into an endless panoply of top-notch players. Within the sports infrastructure itself, Asian Americans are limited to a few positions. For example, well-known, American football offensive coordinator Norman Chow, once of the Tennessee Titans and now of the UCLA Bruins, still has not made head coach, despite praise that might have landed other people in a similar place into such a role. Or, take Michael Chang, the youngest athlete ever to win the French Open at the age of seventeen; while he was at his peak in the '90s and has since retired, his name is considerably less mentioned than Andre Agassi or Pete Sampras despite an impressive achievement. Examples such as these athletes can give the impression that the media is merely glossing over the effort to include more Asian Americans in sports; it deals with Asian American athletes as individual stories of victory, rather than as actors in a larger phenomenon.

Yet, representation is not a one-sided issue. Responsibility lies not only in the observers but the observed. The ethnic Asian American population in the States is relatively disparate, and expectedly so as it is composed of many ethnicities and cultures. This variety in culture is rarely observed in media and media focus. Athletes such as Kwan and Chang seemingly keep themselves distanced from the Asian American community during their prime. Asian American audiences sometimes allow the side-lining of both audiences and athletes alike, letting a media unfamiliar with the various cultures drive a narrative that promotes only a few and marginalizes many others. Athletes seem to have a long way to go before they can be considered, marginally, for spots on professional sports teams, as well. For many, even great achievements are not matched by an equally great position on a professional team; they are relegated to the bench, still, or are kept at amateur levels. They must excel beyond what other athletes normally need to accomplish in order to reach a similar and oftentimes lesser goal. Audiences also seem to value, at times, achievements that are more about points and wins than quality of playing or effort given: there is a stark difference in how much attention is paid to accomplishments from the professional or amateur world of sports. Appreciation of notable achievements is skewed and perhaps serves to promulgate a similarly skewed mindset about Asian Americans in sports.

Therefore, Asian American and Asian representation in sports is still a matter that needs to be addressed, not only on the playing field but also in the stands. As observers and possible participants, it is necessary to analyze and approach this issue of representation from all sides and to understand all the factors that go into what is seemingly a one-dimensional issue.

彭廣揚 (Alex Peng)

資深傳媒工作者，擔任北美冰球大聯盟紐約長島人隊華語主播，也是「運動天地」廣播節目和文字專欄製播人、撰稿人。

Alex Peng, a veteran journalist, is currently hosting an in-language weekly radio show and announcing play-by-play for the New York Islanders.

Session 6
City Planning
都市計劃

3:30 - 5:30pm
Gallery, 7th Floor

Panel Discussion on
"Zoning as the Tool for Development and Preservation"

Organizer: Jerry S.Y. Cheng 鄭向元
Former Principal City Planner, New York City Department of City Planning

Chairman: Prof. Steven Chien 錢一之
New Jersey Institute of Technology

Panelists: Peter Koo 顧雅明
President, Flushing Chinese Business Association
Member, Queens Community Board 7

Hwei-sze Chen 陳輝泗
Registered Architect, Chen Associates
Former President, Flushing Chinese Business Association

Edward Ma 馬士珍
Board Member, Chinese-American Planning Council
Member, Manhattan Community Board 2

Sheong-Sang Liao 廖香生
Former Principal City Planner, New York City Department of City Planning

Jerry S.Y. Cheng 鄭向元
Former Principal City Planner, New York City Department of City Planning

Issues

Zoning is the creation by a legislature of geographical sectors within a municipality or other geographical entity, in which different uses of or activities upon property are permitted or forbidden.

Zoning shapes the city. Zoning determines the size and use of buildings, where they are located and, in large measure, the densities of the city's diverse neighborhoods. Along with the city's power to budget, tax, and condemn property, zoning is a key tool for carrying out planning policy. New York City has been a pioneer in the field of zoning policy since it enacted the nation's first comprehensive Zoning Resolution in 1916. New approaches have been developed since passage of the 1961 ordinance to deal with some of the problems and opportunities that have emerged. A combination of incentive zoning, contextual zoning and special district techniques have been used to make zoning a more responsive and sensitive planning tool.

In the past 10 years, among other initiatives, the New York City Department of City Planning has taken a more flexible approach to the strict segregation of uses, encouraging a mix of uses that helps create livable neighborhoods and lively urban streetscapes. It has expanded and refined "contextual" zoning tools to better preserve the character of the city's established neighborhoods. New lower density growth management techniques have been developed for outlying areas that are experiencing rapid growth and are distant from mass transit.

The New York City Zoning Resolution is a blueprint for the development of the city. It is flexible enough to address the advances in technology, neighborhood transformations, emerging design philosophies and changing patterns of use that combine to make New York one of the great cities of the world.

Cities never stand still, nor should zoning. Zoning is the way the governments control the physical development of land and the kinds of uses to which each individual property may be put. This panel discussion will focus on the issues related to zoning when it is used as a tool for development or preservation.

主持人簡介：

1. JERRY S.Y. CHENG 鄭向元

With over 37 years of experience in city planning and urban transportation planning, Mr. Jerry Cheng was a Principal City Planner with the New York City Department of City Planning before he retired in May, 2008.

- During Mr. Cheng's early years in the Department of City Planning, he was involved in the process of land use review (DEIS/CEQR/ULURP) of many important development projects. Representing the Transportation Division of the Department, he reviewed the compatibility of the proposed projects or developments with the City's established policies, plans and programs. He conducted analysis of information submitted by the applicants concerning site access and egress, trip generation and environmental impact.
- Since 1971, he has managed more than 30 major planning studies for New York City, such as the Midtown Circulation and Surface Transit Study, the Lower Manhattan

Transportation Management Study, the Express Bus Route Policy Study, the Commuter Van Service Policy Study and the Far West Midtown Transportation Study, Chelsea Transportation Study and Jamaica Transportation Study.

- He was the Deputy Director of the Transportation Division of New York City Department of City Planning between 1991 and 1996.

With his familiarity with both New York City agencies and the Chinese community, Mr. Cheng has helped the City to implement various transportation projects in the Chinatown area, as well as assisted the community in obtaining the City services they requested. He was presented a plaque of appreciation by the Chinatown community in 1985.

Mr. Cheng earned his B.S. in Civil Engineering from Cheng Kung University and M.S. in City and Regional Planning from Cultural University in Taiwan before he came to the U.S. in 1969 as an international student at Columbia University. With another M.S., this time in Urban Planning, he started to work at the Transportation Division of the New York City Department of City Planning. While he worked from being a junior planner to a senior planner, Mr. Cheng continued his academic path with Polytechnic University in New York and received one more M.S. in 1982 in Transportation Planning and Engineering. At Polytechnic he also completed his Ph.D. course work requirements and passed the qualifying exam in 1987.

2. STEVEN CHIEN 錢一之

Steven Chien is a Professor of the Civil and Environmental Engineering at the New Jersey Institute of Technology (NJIT). He earned a Ph.D. degree in Civil/Transportation from the University of Maryland at College Park. Before serving the academia, he has many years of experience in transportation industry, consulting, and research. He worked for China Engineering Consultants Inc., University of Maryland, the Federal Highway Administration (FHWA), and Information Dynamic Inc. on various transportation projects. He is also one of the core developers of microscopic traffic simulators (e.g., FRESIM and CORSIM) for FHWA and responsible for conducting experiments in evaluating various Intelligent Transportation Systems (ITS) applications and transportation control and management strategies. During his tenure with NJIT, he has been supervising more than 45 research projects funded by public (e.g., USDOT, NJDOT, NJCST, NCTIP and UTRC-Region II) and private (e.g., Greyhound Line Inc.) sectors. Currently, he is co-directing the ITS Resource Center sponsored by NJDOT/FHWA and TELUS Program sponsored by USDOT.

Dr. Chien's research activities and interests include: (1) dynamic travel times prediction in congested traffic networks, (2) mathematical and simulation modeling of transportation systems, and (3) applications of artificial intelligence concepts in transportation planning, operation, and management. His teaching activities include undergraduate and graduate courses: Introduction to Transportation Systems, Civil Engineering Design (Transportation), Transportation Engineering, Urban Systems Engineering, Public Transportation Systems Operations and Technologies, Mass Transportation Systems, and Traffic Safety.

Dr. Chien is a member of various professional associations, including Sigma Xi, American Society of Civil Engineers, American Society for Engineering Education, Transportation Research Board, and Institute of Transportation Engineers. He is the faculty

advisor to the student chapter of Institute of Transportation Engineers at NJIT. Dr. Chien has authored and co-authored more than 150 articles published in refereed journals, conferences symposia proceedings, reports, news digest and professional magazines. He currently serves as a member on the editorial board for the Journal of Enterprise Information Management and Associate Editor for the Journal of Advanced Transportation.

3. Peter Koo 顧雅明

Mr. Peter Koo is currently serving as President of the FCBA (Flushing Chinese Business Association), a non-profit charity organization to which he has become so dedicated since 1998 that his leadership was assumed by his colleagues.

Mr. Peter Koo currently has many other positions of responsibility. He is Chairman of the Asian JSEC (Job Service Employer Committee), which organizes and holds seminars to address the issues between the N.Y.S Department of Labor and local businesses. Mr. Koo also serves as a board member on the Community Board 7 of Queens, the LaGuardia Community College Foundation, the Chinese Unit of the American Cancer Society, and the Downtown Flushing Business Improvement District (BID), which promotes a more efficient and cleaner working environment in Flushing.

Mr. Koo makes large and frequent contributions to charity organizations such as, but not limited to, the LaGuardia Community College Scholarship Fund, the American Cancer Society Chinese Division, and most recently, donated generously for the Shichuan earthquake. Mr. Koo's numerous charitable services for the community has earned him many awards; the latest are the prestigious 2006 "Ellis Island Medals Of Honor", and the "Respond Together" award from American Red Cross.

4. Hwei-Sze Chen 陳輝泗

Mr. Hwei-Sze Chen is a registered architect and holder of CHEN ASSOCIATED. He received B.S. of Architectural Engineering from National Cheng Kung University and M.A. of Architecture from University OF Illinois.

He is a registered architect in Taiwan, New Jersey, and New York, and a member of National Council of Architectural Registration Board.

He was the recipient of Administrator's Minority Business Enterprises Award presented by U.S. Department of Transportation in 1981; First Prize of Office Building Design presented by QUEENS Chambers of Commerce as well as by QUEENS County Builders and Contractors Association in 1992; and 2006 FORBES Enterprise Awards.

His community services include 1. Organization OF Chinese Americans - Advisory Board OF N.Y Chapter & 1997 President OF N.J. Chapter; 2. CAAPS - 2005 Board; and 3. Cheng Kung University Alumni - Past Chairman of the Boards.

5. Edward Ma 馬士珍

Edward Ma is a longtime community activist dedicated to addressing the underserved need of Chinatown, Asian American Community and New York City in General. Presently, Mr. Ma is the Vice Chair and one of the founding Member of the Community Board Two Chinatown Committee, and has served on the Board since 1998. He also sits on the board of Chinese American Planning Council (CPC), and the Chinatown Partnership Local Development

Corporation (CPLDC). On top of that , Mr. Ma has participated in Rebuild Chinatown Initiative (RCI) Steering Committee, East River Water Front Committee, Canal Area Transportation Studies (CATS) and the Asian American Arts and Cultural Council. Recently, he has involved with Chinatown Working Group about rezoning initiated by Mayor's Office for Community Assistance Unit.

In his work as a psychotherapist, Mr. Ma has been at the front line of many public and mental health issues, especially ones that affect Chinatown's community. In keeping with his effort to inform communities, last September Mr. Ma conducted a seminar on "The Making of Asian American Community Democracy: Chinatown Recovery and Development After 9/11" at CUNY's Asian American/ Asian Research Institute (AAARI). He drew from his own experience by providing rescue support and facilitating agencies' communication of public and private resources. In addition, Mr. Ma presented at the American Society of Group Psychotherapy and Psychodrama on "Volunteering can Enhance Self-Healing and Community Harmony".

Mr. Ma has been always a vocal advocate of diversity, complemented by a consistent interaction between different communities and within Chinatown. As a result, he has participated in various conferences supporting relationships with female, Jewish, Black and Latino communities, as sponsored by the Lower Manhattan Health Care Coalition, the Jewish Community Relations Council of New York, the Minority Business Coalition and Asian Women in Business. These conferences have provides him with skills and knowledge set to enable him to develop community collaboration to which Chinatown aspires.

6. SHEONG SANG LIAO 廖香生

Education: B.S.C.E. 1965, National Taiwan University
M.S.C.E. 1969, Clemson University

Work Experiences:

1970 – 1973 Assistant Engineer, New York City Housing Authority (NYCHA). Review the structure and foundation designs of proposed NYCHA buildings.

1973 – 2008 Associate City Planner II (Principal City Planner), New York City Department of City Planning (DCP). Review land use applications with departmental staff, other city agencies and private applicants. Including zoning map changes such as Downtown Flushing Zoning Changes, Bayside Zoning Map Changes, etc. and special permits, authorizations and certifications such as Riverview and Soundview Large-Scale Residential Developments, waterfront certifications, etc.

Awards Received:

1988 Outstanding Achievement Award – in recognition of outstanding work and significant achievement as member of the Department (DCP).

2002 Rita Barrish Award – given to those who have contributed to the DCP through the years at a consistently high level of performance.

美東華人學術聯誼會歷屆得獎人

一九七七年　成就獎：薛光前、雷震遠、童世綱、余南庚

一九七八年　特別榮譽獎：李煥、王惕悟、梁敬錞、林同棪

一九八三年　學術成就獎：厲鼎毅、余英時

服務獎：傅萍、熊玠、崔岑、全泰勳

一九八四年　成就獎：丁肇中

服務獎：朱榮慶、高雙英、呂芳烈、栗慶雄

一九八五年　學術成就獎：錢煦

服務獎：陳琅予、黃威

一九八六年　學術成就獎：費景漢

服務獎：鄭向元、劉兆寧、呂仲濂

一九八七年　學術成就獎：朱經武

服務獎：李慶珠、林友直、祖乃元

一九八八年　學術成就獎：林榮捷、毛高文、郭南宏、林昭亮、章雨亭

服務獎：虞華年、林宗儒、虞孝成

一九八九年　成就獎：趙耀東、夏漢民、方復

服務獎：李維澈

社區服務獎：高雙英

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成就獎：孔祥重

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學生服務獎：丁維靜、吳順源

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成就獎：胡志強、關中、史欽泰

特別榮譽獎：張博雅、鄔杰士

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學術成就獎：張鍾濬

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服務獎：李弘祺、李嘉琦

學生服務獎：朱紹玲

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Investment and Trade Office, TECRO, is one of the overseas offices for the Ministry of Economic Affairs, Republic of China (Taiwan) in the United States. Its main task is to enhance bilateral investment and trade relationship between Taiwan and the four States of northeast USA- **New York, New Jersey, Pennsylvania**, and **Connecticut**.

The Office introduces Taiwan's investment and trade opportunities to USA companies, as well as collects and analysis American business information to Taiwan. Besides two-way investment and trade cooperation, the Office also supports trade exhibitions, conferences and activities related Taiwan business.

Investment and Trade Office organized several successful events in 2008. Such as "***Foreign Trade Commissioner's Association Meeting***" in February, "***Taiwan Business Symposiums***" in Philadelphia and New York in April (cooperated with US Department of Commerce), "***2008 Invention & New Product Exposition***" Taiwan delegation press conference in June, "***Taiwan Digital Content Industry's Character and Derived Products Show***" in June, and "***Content, Computer, Communications, Consumer Electronics and Integration (C4I)***" workshop (cooperated with Emerging Information Technology Conference, EITC) in August.

"***The 2008 Taiwan Business Alliance Conference***", scheduled on October 6th to 8th at Taipei International Convention Center, offers vast opportunities for investing in the Green Island. The Conference invites worldwide multinational companies CEOs to share their investment experiences as well as the way to leverage Taiwan-China resources for global markets. In the 3 days Conference, LED, biotechnology, MEMs, infrastructure, finance, tourism, and logistics industries are the main topics in panel discussions.

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