

A globe of Earth is the central focus, surrounded by a grid of glowing yellow and orange squares. Binary code (0s and 1s) is scattered throughout the scene, some appearing to flow like streams. Several 3D cubes in shades of blue and yellow are floating around the globe. The overall background is a warm, orange-to-yellow gradient.

2011 ANNUAL CONVENTION



Chinese Institute of Engineers-USA Greater NY Chapter

www.cieusa-gnyc.org

Innovating a Better Future



About ITRI

ITRI is an applied technology research organization focused on developing advanced technologies and maximizing their industrial and economic impact. Founded in 1973, ITRI has nurtured more than 70 CEOs, incubated 167 start-ups, and accumulated more than 15,000 patents. ITRI's major research areas are: Information and Communications (including Cloud Computing); Electronics and Optoelectronics (including Display); Material, Chemical, and Nanotechnology; Medical Device and Biomedical; Mechanical and Systems; and Green Energy and Environment.

In recent years, ITRI has won many international awards for its innovations. The R&D100 Awards have honored ITRI's On-Chip AC LED lighting technology (2008), lithium-ion battery safety material STOBA (2009), eco-friendly fire retardant material REDDEX (2010), and FlexUPD flexible display technology (2010). Moreover, FlexUPD also won the Wall Street Journal Technology Innovation Awards in 2010, while the FlexXpeaker received the same award in 2009. This year, ITRI's Flexible Substrate for Displays was honored by the Society for Information Display, and its Green Energy Antenna Technology won the Solar Industry Awards. These outstanding technologies have won prestige for Taiwan in the science and technology world.

ITRI is recruiting international talent in all of our major research areas. To view position openings go to: <http://www.itri.org.tw/eng/careers>, or send your CV to talent@itri.org.tw.



<http://www.itri.org.tw>





President's Message

On behalf of the Greater New York Chapter (GNYC) of the Chinese Institute of Engineers – USA (CIE-USA), I sincerely welcome you to our 2011 convention. As the Founding Chapter of the nonprofit CIE-USA organization since 1917, we have been devoted to promoting technology exchanges and networking among Chinese-American engineers. We are grateful that many prominent practitioners and scientists can join our 94th anniversary from all regions of the United States as well as from Taiwan and China.

Our convention theme for this year is “*Engineers' New Era: Accelerating Global Industrial Metamorphosis*” (工程師的新世代: 加速全球工業的銳變). This theme was determined in light of the rapid transformations and innovations being experienced in global industries. These changes are historical and irreversible. The global industries are essentially going through a metamorphosis process which leads everyone in the world to a new exciting beautiful life, like evolving from a slow-moving dull caterpillar to an agile beautiful butterfly. The metamorphosis process is uneasy and fragile. Accelerating the process needs a new generation of engineers whose qualifications are being defined by people like the invited speakers of this convention. All of the presentations at the convention would be valuable, intriguing, and inspiring to you.

We are indebted to all of the convention committee members for their dedicated volunteer work. We also appreciate the contributions made by all of the accomplished speakers. We are grateful for the financial assistance provided by our convention sponsors. Finally, we thank all of the CIE/USA High School Student Scholarship applicants for their enthusiasm of receiving the competitive award. We wish you all enjoy attending this convention.

Sincerely,

Dr. Rong Chang
President, CIE-USA/GNYC



2011 CIE-GNYC Annual Convention Planning Committee

President	Rong Chang		
Convention Chair/VP	Shu-Ping Chang		
Vice Chair	Zon-Yin Shae	Tien-Jen Cheng	
Treasurer	Howard Chen		
Advisors	Allen Chen	Kuo-Kuang Hsu	Ted Lee
	Paul Lin	Wen Lin	Jun-Min Liu
Secretary	Tao Tao		
Hotel Arrangement	Shu-Ping Chang	Rong Chang	
Fund Raising	Rong Chang		
Public Relation/News	Lurng-Kuo Liu		
Convention Journal & Proceedings	Ted Lee	Zon-Yin Shae	
Web Presence	Rong Chang	Kang Xi	Fred Yan
Registration	Kang Xi		
Membership	Elven Chern		
On-Site Management	Tien-Jen Cheng	Chiao-Wei Lee	
Student Volunteer	Kang Xi		
Photo	Fred Yan		
Award Committee	Rong Chang Wen Lin	Allen Chen Jun-Min Liu	Kuo-Kuang Hsu
Technical Program	Young-Kai Chen I-Tai Lu	Jen-Yao Chung Tao Tao	Pei-Yun Hsueh Xiaolan Zhang
Seat Assignment	Wen Lin	Kang Xi	
Master of Ceremony	Elven Chern		
High School Scholarship	Tien-Jen Cheng Lurng-Kuo Liu	Wu Chou LiChi Po	Xin He
Entertainment	Fred Yan		



CIE-USA/GNYC 2011 Annual Convention Program

Sheraton LaGuardia East Hotel, Flushing, NY 11354

Theme: Engineers' New Era: Accelerating Global Industrial Metamorphosis
工程師的新世代: 加速全球工業的銳變

Saturday, October 29, 2011

12:00 PM **Registration**

1:00 PM **Opening Remarks - Dr. Shu-Ping Chang (張書平)**, Convention Chair

1:05 PM **State of the Institute - Dr. Rong Chang (張榮)**, President, CIE-USA/GNYC

1:10 PM **Plenary Session**

Chair – **Dr. Wen Lin (林文)**

Dr. Burn J. Lin (林本堅), Vice President, R&D, Taiwan Semiconductor Manufacturing Company (TSMC), “Synergy between Aviation and Lithography”

Dr. Jyuo-Min Shyu (徐爵民), The President of Industrial Technology Research Institute (ITRI), “Collaborative R&D of Industrial Technology”

2:30 PM – 2:40 PM **Tea & Coffee Break**

2:40 PM – 4:00 PM **Parallel Sessions**

Program Chair - **Dr. Zon-Yin Shae (薛榮銀)**, IBM T.J. Watson Research Center

Session I - Entrepreneur, Business Development & Recruiting (Gallery Room)

Chair – **Dr. Tao Tao (陶濤)**, IBM T.J. Watson Research Center

Dr. Ko-Yang Wang (王可言), CTO and EVP for Business Development, Institute for Information Industry (III)

Ms. Man-Li Kuo Lin, Business Development Specialist, U.S. Small Business Administration

Dr. Sean Wang (王韶華), President, Industrial Technology Research Institute (ITRI) International Inc.

Dr. Yisong Chen (陳毅松), Managing Partner, Pallas Global Futures, LLC

Dr. Gang (George) Wu, President and CEO, DoubleBridge Technologies Inc.



Session II - Wireless Communication Technology (Diamond Room)

Chair – **Dr. I-Tai Lu (盧義泰)**, Professor, NYU-Poly

Dr. Sundeep Rangan, Associate Professor, NYU-Poly, “Femtocells, Interference Coordination & Next-Generation Wireless Systems”

Dr. Yingxue (Kevin) Li (李映雪), Member of Technical Staff, InterDigital Communications, “Cellular Network Evolution: Challenges and Opportunities”

Dr. Pei Liu, Research Assistant Professor, NYU-Poly, “Addressing the Cellular Data Crisis”

Dr. Jialing (Alice) Li, InterDigital Communications, “Multiple-Input-Multiple-Output (MIMO) in Wireless Communications”

Session III - Green Technology (Topaz Room)

Chair – **Dr. Jen-Yao Chung (鐘健堯)**, Senior Manager, IBM T.J. Watson Research Center, Fellow of IEEE

Dr. Shyh-Kwei Chen (陳世魁), IBM T.J. Watson Research Center, “Green Transformation Workbench for Data Centers”

Dr. Leslie Liu, IBM T.J. Watson Research Center, “Energy efficient VPN on mobile”

Dr. Hong Cai (蔡弘), IBM Headquarter, “Multi-Tenancy in Cloud”

Dr. Jen-Yao Chung (鐘健堯), IBM T.J. Watson Research Center, “Green Data Center”

4:00 PM – 4:10 PM **Tea & Coffee Break**

4:10 PM – 5:30 PM **Parallel Sessions**

Session IV - Cloud and Virtual System Technology (Gallery Room) (until 5:10 PM)

Chair – **Dr. Xiaolan Zhang (章晓兰)**, Manager, IBM T.J. Watson Research Center

Dr. Ea-Ee Jan (詹益毅), IBM T.J. Watson Research Center, “Introduction to Cloud Computing”

Chris Young, IBM T.J. Watson Research Center, “Migration to Cloud”

Dr. Kang Xi (席康), Associate Professor, NYU-Poly, “Hybrid Security Architecture for Data Center Networks”



Session V - Deep Analytics & Frontier Technology (Diamond Room)

Chair – **Dr. Young-Kai Chen**, Director, Bell Laboratories, Alcatel-Lucent, Fellow of IEEE and OSA, member of the National Academy of Engineering, USA

Dr. Christopher R. Doerr, Bell Laboratories, Alcatel-Lucent, Fellow of IEEE and OSA, “Silicon Optical Integrated Devices for High Capacity Fiber-Optic Links”

Dr. K.-Y. (Kang-Yih) Liou, Director, Opto Technology and Govt Business, “Ultra High-Speed and Compact Optical Transmitters for Communication Networks”

Dr. James Fan (范俊民), IBM T.J. Watson Research Center, “Building Watson – A Brief Overview of DeepQA and the Jeopardy! Challenge”

Session VI - Health Care (Topaz Room)

Chair – **Dr. Pei-Yun Hsueh (薛沛芸)**, IBM T.J. Watson Research Center

Dr. Kuan-Tsae Huang (黄光彩), CEO, NanoTune Technologies, “PHRs, Cloud Computing & Consumer Trends in Healthcare”

Dr. Grace Lin (林蔚君), VP & Director General, Institute for Information Industry (III), Fellow of INFORMS, “Telematics systems and applications”

Dr. Ching-Hua Chen-Ritzo (陈庆华), Research Staff Member, IBM T.J. Watson Research Center, “Simulation of Health Care Incentives”

Dr. Xinxin (Katie) Zhu (祝欣欣), Medical Scientist, IBM T.J. Watson Research Center, “Evidence-based Personal Wellness Management”

5:30 PM – 6:00 PM **Social Hour** (Diamond Room)

6:00 PM – 9:00 PM **Banquet** (Gallery Room)

Master of Ceremony – Dr. Tien-Jen Cheng (鄭天人)

Welcome Address – Dr. Rong Chang (張榮), President, CIE-USA/GNYC

Keynote Speech

Dr. Sesh Murthy, Vice President, Architecture and Technical Solution Design, IBM, “Cloud Solutions - A Few Words About Smarter Computing”

High School Student Scholarship Session

Chair – **Dr. LiChi Cliff Po (濮勵志)**, Scholarship Committee Chair, CIE-USA/GNYC



Awards Ceremony - Dr. Jun-Min Liu (劉主民), Award Committee Chair, CIE-USA/GNYC

Distinguished Achievement Award

Dr. Burn J. Lin (林本堅), Vice President, R&D, Taiwan Semiconductor Manufacturing Company (TSMC)

Distinguished Service Award

Dr. Jyuo-Min Shyu (徐爵民), President, Industrial Technology Research Institute (ITRI)

Institute Service Award

Dr. Paul Lin (林少達), CIE-USA/GNYC President (2010)

9:00 PM – 11:00 PM **Entertainment**

Chair – **Mr. Fred Yan (顏為民)**

Singing by Emily Li (李安梅): "Sound of Music" (音樂之聲), "桃花謠" (Peach Flower Ballad), "I Could Have Danced All Night"

Saxophone by Yongli Zhang (張永力): "Careless whisper", "My heart will go on", "Fly me to the moon"

Singing by Dongni Zhang (張冬妮): "O Mio Babbino Caro" (我親愛的爸爸), "一杯美酒" (Wine of Love), "我愛你中國" (I Love You China)

ACKNOWLEDGEMENT: CIE-USA/GNYC Thanks All Team Members for Their Dedication and Hard Work That Make This Convention Possible.



Keynote Speaker

Dr. Seshashayee (Sesh) Murthy

Vice President, IBM Global Technology Services

Sesh Murthy is the Vice President, Architecture and Technical Solution Design in the Global Technology Services division of IBM. He has extensive experience in helping IBM enterprise customers solve their business problems using IBM and other technologies. He specializes in helping customers to adopt leading edge technologies to achieve business value while minimizing risk. Sesh's current role includes responsibility for the technical architecture supporting IBM's Cloud Computing strategy and for driving the realization of innovative public and private cloud services for global enterprises. He has built and deployed Radio-frequency identification (RFID) solutions for improving supply chain efficiency, at retailers, consumer products companies, and other manufacturing customers, led the creation and deployment of the store integration framework, and has built and deployed supply chain solutions for the paper, steel, chemical, and electronics industries.

Prior to this assignment, Sesh was the VP and CTO, Industrial sector, and was the Vice President, Infrastructure Access Services. He has worked at IBM research, and in the IBM software group. Over the years, he consistently achieved outstanding technical accomplishments with high business value.

Sesh obtained his Ph.D. in Electrical and Computer Engineering from Carnegie Mellon University in 1992. He has an M.S. in Electrical Engineering from Ohio State University, and a B.Tech in Electrical Engineering from Indian institute of Technology, Kanpur. He has published extensively and has several patents to his name. He has owned a Daniel H. Wager Prize for Excellence in Operations Research Practice. He has received two Best Paper Awards from two reputable international technical communities, respectively: Association for the Advancement of Artificial Intelligence (AAAI) and Journal of Electronic Commerce Research (JECR).



2011 CIE-USA Award Citations

Distinguished Achievement Award

Dr. Burn Lin (林本堅 博士)

For his outstanding contributions in immersion lithography technology which revolutionizes the global semiconductor manufacturing process

Distinguished Service Award

Dr. Jyuo-Min Shyu (徐爵民 博士)

For his outstanding technical contributions in nanotechnology and leadership for Industrial Technology Research Institute (ITRI)

Institute Service Award

Dr. Paul Lin (林少達 博士)

For his dedicated service to this institute



Distinguished Achievement Award

Dr. Burn J. Lin, Ph. D.
林本堅 博士



Dr. Burn Lin graduated from the 1963 B.S. class of Electrical Engineering in National Taiwan University. Including himself, a total of five graduates from this class won the Distinguished Achievement Award from CIE. In graduate school, he learned modern optics from Prof. Stuart A. Collins of Ohio State University. Prof. Collins is known for dedication in educating his students. Many of them are accomplished and have been maintaining a life relationship with him. After getting the Ph. D., Dr. Lin joined the IBM T.J. Watson Research Center in 1970 where he started his life long career in microlithography. He retired from IBM in 1991 and founded Linnovation, Inc. to develop commercial lithography software. In 2000, he joined TSMC to manage the Microlithography Patterning Technology Division, which became the Nanolithography Patterning Technology Division later. He was promoted to vice president in 2011 and named distinguished fellow subsequently.

Over his long career in lithography, Dr. Lin is recognized for many breakthrough research works and publications. He pioneered deep-uv lithography starting from 1975, multi-layer resist from 1979, simulation of 2D partially coherent imaging from 1980, Exposure-Defocus methodology from 1980, scaling equations of resolution and depth of focus from 1986, k1 reduction from 1987, proof of IX mask limitations in 1987, vibration in optical imaging from 1989, electrical measurement of contact holes from 1989, E-G tree for x-ray proximity printing from 1990, experimental demonstration of impacts of mask reflectivity on imaging in 1990, optimum lens NA from 1990, attenuated phase-shifting mask from 1991, Signamization of optical projection imaging systems from 1996, non-paraxial scaling equations of resolution and depth of focus from 2000, 193-nm immersion lithography from 2002, polarization dependent stray light from 2004. He is currently working on cost-effective optical lithography and multiple-e-beam maskless lithography for the 20-nm node and beyond, having developed immersion lithography for high volume manufacturing of the 40-nm and 28-nm nodes.

Dr. Lin is the editor in chief of the Journal of Micro/nanolithography, MEMS, and MOEMS, life member of the US National Academy of Engineering, IEEE Life Fellow and SPIE Fellow. He received the 1st Semi IC Outstanding Achievement Award in 2010, 2009 IEEE Cleo Brunetti Award, 2009 OSU Benjamin G. Lamme Meritorious Achievement Medal, 2007 Industrial Technology Advancement Award, 2006 Distinguished Optical Engineering Award, 2005 Most Valuable Player in VLSI Research Inc.'s All-Stars of the Chip Making Industry, 2005 Ten best managers in Taiwan, 2004 Outstanding Research Award from PWY Foundation, 2004 1st recipient of SPIE Frits Zernike award, 2003 Outstanding Scientific and Technological Worker Award, 2002 Ten Best Engineers in Taiwan. Through out his career, he received 2 TSMC Innovation Awards, 10 IBM Invention Awards, and an IBM Outstanding Technical Contribution Award.

Dr. Lin has written 1 book and 3 book chapters, published 121 mostly first-authored articles, and obtained 66 US patents.



Distinguished Service Award

Dr. Jyuo-Min Shyu
徐爵民 博士

Dr. Jyuo-Min Shyu is President of Industrial Technology Research Institute (ITRI), the largest applied research institute in Taiwan. He joined ITRI in 1988, starting his research career in the field of semiconductor design technology. He initiated many high-impact R&D programs in ITRI and took the lead in exploring new technologies, contributing to the development and advancement of semiconductor and flat-panel display industries in Taiwan. He was founding chairs of Chinese Fuzzy Systems Association (1994), Taiwan SoC Consortium (2000), and Taiwan Nanotechnology Industry Development Association (2004), and was Executive Director of Taiwan's National Nanotechnology Science and Technology Program (2004-2006), chair of Taiwan Nanotechnology and Microsystems Association (2006-2008), and Dean of the College of Electrical Engineering and Computer Science, National Tsing Hua University (2007-2009). Dr. Shyu received his BS and MS degrees both from the Dept. of Electrical Engineering of National Taiwan University, and his PhD degree from the Dept. of Electrical Engineering and Computer Science, University of California at Berkeley. He is a fellow of the IEEE and the Chinese Society for Management of Technology (CSMOT).



Institute Service Award

Dr. Paul Lin
林少達 博士



Dr. Paul Lin was CIE-USA/GNYC's president in 2010 and currently a board member. He has been a CIE-USA life-member since 1983. For the Institute's conventions from 2007-2010, he organized multiple programs such as the annual fund-raising campaign, the CIE-IBM Graduate Student Poster Contest, the high school student awards, and the "Technology and Management Trends Forum." Together with Dr. Jun-Min Liu, they initiated the Zhan Tian-You Friendship Tennis Tournament in 2009 in celebration of the 100th Anniversary of the completion of the Beijing-ZhangJiaKou Railroad.

Paul Lin is a telecom service and technology architect at AT&T R&D Center in Middletown, NJ . He earned his Ph.D. from the University of Chicago and B.S degree from the National Taiwan University, both in physics. His career experience ranges from applied micro-physical effects to research in global and logical domains of importance to telecommunications. At Bellcore, he pioneered e-beam and deep-UV nano-fabrication technologies for DFB laser-array gratings, which advanced the art of DWDM (Dense Wavelength Division Multiplexing), and won an Industry-100 Award. Later, he extended SONET industry standards for optical networking from OC-48 (2.5 Gb/s) to OC-192 (10 Gb/s). More recently he has been active at the Tele-Management Forum and successfully led two global teams in demonstrating potential values of emerging telecom management standards to the industry. His current interests are in content delivery and QoE (Quality of Experience) management for accelerating telecom carriers' transformation from providing connectivity to delivering compelling customer experience.

In his spare time, Paul enjoys tennis, classical music, and classical and modern Chinese literature. He earned an associate instructor certificate from then USPTR (US Professional Tennis Registry) in 2001; and frequently attends NJCBC (New Jersey Chinese Book Club) events. At the Jersey Shore Chinese School, he has served as its PTA President, the Assistant Principal, the lead tennis coach for five years, and co-organized its first dragon-parade team in 2007. He continues to organize the annual Zhan Tian-You Friendship Cup Tennis Tournament, which celebrates this year the 100th anniversary of the Chinese Institute of Engineers (中華工程師學會).



2011 CIE-USA/GNYC High School Award Recipients

English Name	中文名	High School
Christine Y. Chao	趙紫君	Newark Academy
Christine Y. Chen	陳玉珍	John L. Miller Great Neck North
Ray Tang Hou	侯 睿	East Brunswick High School
Matthew Ko	柯凱恆	Princeton High School
Angela Liu	劉佩妤	Horace Greeley
Jason Mahr	馬浩桓	Montville High School
Kevin Pu	蒲正威	John P. Stevens High School
Licheng Rao	饒力城	Bergen County Academies
Yixian (John) Su	蘇益賢	John P. Stevens High School
Mindy Wang	王明理	John P. Stevens High School
Alicia Wu	吳思佳	Somers High School
Kathleen Yam	任智樂	Edgemont Jr. Sr High School
Jasmine Yen	閻茉莉	John P. Stevens High School

** listed alphabetically per last name



CIE-USA ANNUAL AWARDS

The **CIE Distinguished Service Award** is bestowed upon an outstanding engineer, scientist, or technologist who is of Chinese origin and has made significant contributions toward science technology, industry, or economic development of a country or a community.

The **CIE Achievement Award** is presented to any person of Chinese origin (or any other origin whose contribution benefited the Chinese Society) who has made distinguished achievement in science, engineering or technology.

The **Institute Service Award** recognizes an individual who has performed outstanding service to the Institute.

Award Winners

The award winners for the past years are listed as follows:

Year	Award Winner	姓名	Achievement
1957	Mr. K.C. Li	李國欽	Leadership in production of strategic metals, i.e. Tungsten, Tantalum, Molybdenum, Columbium, Hafnium, Zirconium and their alloys.
1958	Dr. Tsung Dao Lee	李政道	Co-authors on three papers on "Nonconservation of parity." Co-winners of Nobel Prize of physics in 1957.
	Dr. Chen-Ning Yang	楊振寧	
	Dr. Chien-Shuing Wu	吳建雄	Performed experiments for both doctors Lee and Yang, and confirmed the authenticity of their theory
	Mr. Ieoh-Ming Pei	貝聿銘	Recognized as one of the top ten architects in the United States.
1959	Mr. Wen-Tsing Chow	周文俊	Inertial navigation and guidance system for missiles and space vehicles.
	Prof. Lan-Jen Chu	朱蘭成	Leading authority on microwave and special antennas.
	Prof. Yu-Hsiu Ku	顧毓琇	Leading engineer mathematician whose analysis of non-linear systems worldly known.
1960	Dr. Kuan-Han Sun	孫觀漢	Leading engineer and physicist in nucleonics field. Helped setting up the nuclear engineering laboratory in Hsin-Chu, Taiwan.
	Prof. Ju-Chin Chu	朱汝瑾	Well known consulting engineer and scientist. Unit operations in process development and engineering.
	Dr. Chao C. Wang	王兆振	Research in solid state microwave electronics, thermo-ionic emission and microwave plasma interaction.
1961	Prof. Tung-Yen Lin	林同棧	Leading authority on Prestressed Concrete.



	Dr. Wen-Yuan Pan	潘文淵	Contribution to the Ultra-high frequency technique, leading to the implementation of wider field of television service.
	Dr. Luke C. L. Yuan	袁家驩	Well-known figure on design, construction and experiments on high energy accelerators.
1962	Prof. David K. Cheng	鄭鈞	Advanced research on antenna and phased array.
	Dr. Thomas T. H. Lee	李天和	Research and development of high-power vacuum interrupters for the power industry.
	Prof. Shih I Pai	柏實義	Theories on magnetogasdynamics and plasma dynamics.
1963	Prof. Shu-Tien Li	李書田	Well-known author and consulting engineer. Also his development work on Unified Energy-Matrix Analysis."
	Prof. Chia Chiao Lin	林家翹	Contributions to the theory of hydrodynamic stability and theory of turbulence.
1964	Dr. Kern K. N. Chang	張可南	Outstanding theoretical and experimental research on electro-beam focusing and on parametric and tunnel diode devices.
	Prof. H. Y. Fan	范緒筠	Achieved international prominence in searching for the essential physical characteristics of semiconductors.
	Mr. T.C. Tsao	趙曾珩	Engineer, scientist, author and administrator of international renown. Fellow IEEE, Fellow AAS, MCIE, MIKE (United Kingdom), MASME, MIM, etc. Ardent supporter and past president of CIE.
1965	Prof. Ven-te Chow	周文德	World-known contribution in open-channel hydraulics.
	Prof. Y. C. Fung	馮肇楨	Authority on aeroelasticity and solid state mechanics.
	Prof. Choh-Hao Li	李卓皓	World famous bio-chemist, first isolated ACTH, then TSH, recently completed analysis of HGH (human growth hormone).
1966	Prof. C. J. Huang	黃振榮	Research in interphase mass transfer mechanisms.
	Prof. Tung-Hua Lin	林同燁	Authority on elastic and plastic behavior of structures to dynamic load.
	Dr. P. K. Tien	田炳耕	Outstanding research on parametric amplifiers and gas lasers.



1967	Prof. Arthur W. Lo	羅 无 念	Formation of some of the fundamental principles of digital electronics and development of a number of semiconductor and magnetic digital devices and circuits.
	Dr. Wellington H. T. Loh	陸 孝 同	Leading authority on dynamics and thermodynamics of re-entry and planetary entry.
1968	Prof. Chih-Bing Ling	林 致 平	Researcher in the field of applied mechanics and mathematics.
	Prof. Chia-Shun Yih	易 家 訓	Recognized for his achievements on the theory of nonhomogeneous stratified flow.
	Mr. Edward K. Nieh	聶 光 坡	Instrumental in the formulation of the Chinese Institute of Engineers, New York, Inc.
1969	Dr. Morgan C. Y. Sze	施 銓 元	In recognition for his work in the field of Chemical Engineering.
	Dr. An Wang	王 安	Development of computer systems and electronic calculators.
1970	Dr. Way Dong Woo	何 惠 棠	For his contribution in the field of digital systems.
1971	Mr. Walter Fei	費 驊	For his leadership and outstanding services in engineering management.
	Dr. Hsuan Yeh	葉 玄	For his outstanding contribution in the field of fluid and analytical mechanics.
	Dr. Utah Tsao	曹 友 德	For his creative contribution in chemical process design.
	Mr. Benjamin K. Cheng	鄭 國 賓	Leadership and service to the Chinese Engineering Society.
1972	Dr. T. W. Liao	廖 增 式	For his high power and high voltage engineering research and development.
	Mr. C. D. Shiah	夏 勤 鐸	For his contributions in petroleum processes.
	Mr. Y. C. Yang	楊 裕 球	For his advanced concept in structural design.
	Mr. Shao C. Jem	詹 紹 啟	For his enthusiastic and consistent service to CIE-USA.
1973	Dr. Sin-I Cheng	程 心 一	For his contribution to Jet, Rocket, Nuclear, Ion, and Electric Propulsion.
	Mr. Jeffrey Chu	朱 傳 渠	For his contribution to The Continuous Development and Management of Computer Technology for the Past Quarter Century.



1973	Mr. J. T. Shaw	蕭存人	For his outstanding leadership in Development Industrial Enterprises and in Fostering International Relationship with Southeast Asia.
1974	Mr. Yun-Suan Sun	孫運璿	For his outstanding leadership and contributions in promoting technological research and development in The Republic of China.
	Dr. Hung-Chang Lin	凌宏璋	For his pioneering contributions to the mono-lithic integrated electronics technology
	Dr. Kang-Jen Liu	劉康仁	For his outstanding contributions to pure and allied chemistry.
1975	Mr. K. T. Li	李國鼎	For his outstanding contribution to the mobilization of productive resources in the Republic of China.
	Dr. Ernest Kuh	葛守仁	For his outstanding contribution to research and teaching in circuit theory and systems and his leadership in engineering education.
	Dr. George C. Sih	薛昌明	For his outstanding contribution in research and teaching in fracture mechanics.
1976	Mr. K. S. Chang	張光世	For his leadership in promoting the economic growth and industrial expansion in the Republic of China.
	Mr. H. C. Fang	方賢齊	For his contribution to the development of telecommunication systems in the Republic of China.
	Dr. Simon K. Chen	陳國祥	For his outstanding contribution to the development of diesel engines.
	Dr. Samuel C. C. Ting	丁肇中	For his outstanding contribution in the discovery of the "J" particle triggered the finding of a whole family of similar particles.
1977	Mr. Jerome S. N. Hu	胡新南	For his outstanding leadership in modernizing and expanding the petrochemical industries in the Republic of China.
	Dr. A. Tobey Yu	俞靄庭	For his contribution in the field of Material handling technology related to the design and construction of ship-barge loading systems.
	Dr. Wen H. Ko	葛文勛	For his contribution in bio-medical engineering and teaching.
1978	Mr. Lan-Kao Chen	陳蘭皋	For his distinguished leadership in modernizing and expanding the power industry in the Republic of China.



1978	Mr. I-Fang Tang	鄧義芳	For his outstanding contributions to the success of the industrial and economic development in the Republic of Singapore.
	Mr. Kuo-Chi Wang	王國琦	For his outstanding service to CIE in promoting the cooperation between the CIE/ROC and CIE/USA.
	Dr. Ti-Kang Kwei	桂體剛	For his pioneering contributions in the composite and diffusion in macromolecular systems.
	Dr. Tingye Li	厲鼎毅	For his fundamental contributions to laser-resonator theory and his outstanding contributions in optical communications.
1979	Mr. Chang-Ching Wang	王章清	For his outstanding contribution in the municipal planning and transportation engineering.
	Mr. Hsiao-Chang Yen	嚴孝章	For his outstanding worldwide contribution in construction engineering.
	Dr. Catherine S. H. Chen	陳夏瑞華	For her contribution to the advancement of polymer chemistry and engineering.
	Dr. Mo-Shing Chen	陳謨星	For his contribution to the advancement of electrical power engineering and technology.
	Mr. Frank Y. S. Chen	陳耀生	For his dedicated service to the Institute.
	Dr. Henry L. Wen	溫陵雄	For his dedicated service to the Institute.
1980	Mr. William Y. T. Chao	趙耀東	For his contribution to the steel industry in the Republic of China.
	Mr. Hsu Chang	張煦	For his contribution to magnetic memories and computer science.
	Mr. Gilbert Chin	陳耀煜	For his contribution to the fundamental understanding of crystal plasticity and to the development of magnetic alloys.
	Mr. George C. Lee	李元兆	For his contribution to structural engineering, bio-mechanics, and engineering education.
1981	Dr. T.S. Lin	林挺生	In recognition of his outstanding industrial leadership, educator and citizenship.
	Mr. Yung-Ning Wei	韋永寧	In recognition of his exemplary leadership in promoting industrial development in the Republic of China.
	Dr. Leonard Y. Liu	劉英武	In recognition of his outstanding organizational capability and system management and operation.
	Dr. Y. L. Fan	范又陵	In recognition of his excellent leadership in CIE operation.
1982	Mr. Yi-Ting Wong	汪彝定	In recognition of his outstanding contribution to the international trade promotion for ROC.
	Mr. S. F. Tung	董世芬	In recognition of his life-long devoted service in petrochemical industry and as a successful manager of



	Dr. Hwa-Nien Yu	虞華年	national enterprise. In recognition of his outstanding contribution to silicon technology and his pioneering work in VLSI technology.
	Mr. T. F. Huang	黃子發	In recognition of his numerous contributions in naval architecture and his successful design and building of the world's largest crude oil tanker.
	Dr. Roxy Ni Fan	范倪如珍	In recognition of her contribution to the modern printing technology.
1982	Mr. Y. C. Yang	楊裕球	In recognition of his devoted institute service and working spirit.
1983	Dr. King-Sun Fu	傅京生	For his leadership in Engineering education and contribution to pattern recognition.
	Mr. David S. Lee	李善麟	For his successful development of computer peripheral industry.
	Dr. Chi-Cheng Chang	張繼正	For his leadership in applied scientific management to government service.
	Mr. Ta-hai Lee	李達海	For his unique effort and success in petroleum industry.
	Mrs. Linda Liu	劉黎琬	For her devoted service to CIE/USA.
1984	Dr. Morris Chang	張忠謀	For his outstanding leadership and pioneering contribution to electronic industry.
	Dr. David H. Cheng	鄭鴻	For his outstanding contribution to engineering education.
	Dr. T. Y. Shen		For his outstanding achievement in medicinal chemical research.
	Dr. S. S. Shu	徐賢修	For his contribution in promoting industrial research and development in the Republic of China.
	Dr. Vivin W. Yen	嚴吳舜文	For her pioneering contribution and leadership in textile and automotive industries in the Republic of China.
1985	Dr. Alfred Y. Cho	卓以和	For his outstanding research in new technology, materials and devices.
	Mr. W. M. Lu	盧偉民	For his achievement in city planning both in the USA and abroad.
	Dr. David I. J. Wang	王義炤	For his advancement of new technology and new industrial ventures.
	Dr. Taylor G. Wang	王贛駿	For his contribution to space physics.
	Dr. C. H. Yen	閻振興	For his pioneering promotion of METS and National Education in the Republic of China.
	Dr. D. H. Hu	胡定華	For his leadership in technological development and management in the Republic of China.



	Dr. Vincent H. K. Chu	瞿浩光	For his unwavering and devoted service to CIE.
1986	His Excellency C. K. Yen	嚴家淦	For his uninterrupted support and policy guidance to the METS since its inception in 1966.
	Dr. James Wei	韋潛光	For his excellent leadership in engineering research and education.
	Dr. Y. C. L. (Susan) Wu		For her pioneering work in magnetohydrodynamics research and leadership in energy conversion R & D programs.
	Dr. Charles Kao	高錕	For his pioneering research and accomplishment in the field of optical fiber communications.
1987	Dr. J. Carl Hsu	許濬	For his leadership and outstanding contributions to the development of switching and computer systems.
	Mr. Stanley Shih	施振榮	A pioneer contributor to a successful high-tech industry in a developing country.
1987	Dr. Paul Ching Wu Chu	朱經武	For his pioneering contribution to superconductivity.
	Dr. Sun-Nan Hong	洪勝男	For his leadership and dedication to the formation of the CIE-USA National Council.
	Dr. Kuei-Wu Tsai	蔡桂伍	For his leadership and dedication to the formation of the CIE-USA National Council.
1988	Dr. L. A. Chen	陳履安	For his contribution to the promotion planning and coordination of the technological in the Republic of China.
	Dr. H. T. Kung	孔祥重	For his contribution to the development of systolic arrays in computer science.
	Dr. Patrick Kung	龔忠恕	For his contribution to the medical applications of monoclonal antibody and T-cells.
	Dr. Otto C. C. Lin	林垂宙	For his scientific achievements in polymeric field and his contribution to the establishment of an outstanding material research institute in the Republic of China.
	Dr. Wen Lin	林文	For his dedicated and unselfish service to the professional cause of this Institute.
1989	Dr. Herbert Chang	張佑邦	For his outstanding contribution to the Electronic Switching Technology and Telecommunication Industry.
	Dr. Chintay Shih	史欽泰	For his contributions to the Advancement of the Micro-Electronic Technology and Electronic Industry in the Republic of China.



	Mr. Yung-Shih Kuan	關永實	For his distinguished service in the Advancement of Petrochemical Industry in the Republic of China.
	Dr. Shih-Chien Yang	楊世緘	For his distinguished contributions to the Scientific and Industrial in the Republic of China.
	Ms. Grace C. C. Lee	李慶珠	For her leadership and dedication to the Institute and the Professional Scientific Community.
	Dr. Chung-Ming An	安仲明	For his dedicated service to the Institute and Technical Advancement in the Engineering Society.
1990	Mr. Arthur Y. Chen	陳豫	For his outstanding contributions to the engineering and construction industry in ROC.
	Dr. Michael C. Chen	陳建國	For his distinguished service and outstanding financial management for the Institute.
	Dr. N. Y. Chen	陳迺沅	For his outstanding contributions to the Zeolite Catalyst Technology and Petrochemical Industry
	Mr. Ya-Moh Dong	童亞牧	For his distinguished service in the advancement of engineering and construction industry in ROC.
	Dr. Chin-Lung Yeh	葉金龍	For his distinguished service to the Institute and the METS.
1991	Dr. Shirley W. Y. Kuo	郭婉容	For her distinguish service in the economic planning and development in ROC.
	Dr. Eugene Y. H. Chien	簡又新	For his outstanding contribution to environment legislation and creativity in the development of Environmental Awareness in ROC.
	Dr. Gordon T. Chen	陳大雄	In recognition of his service to the Institute.
	Dr. Eric S. Hsiue	薛一新	In recognition of his service to the Institute and METS.
	Dr. Wei-Kuo Lee	李維國	In recognition of his dedicated service to the Institute.
1992	Dr. Anthony C.H. Ku	谷家恆	For his achievement in applied research and technology development.
	Dr. Norman N. Li	黎念之	For his achievement in separation science and technology.
	Dr. K. K. Wang	王國金	For his achievement in automation and manufacturing engineering
	Mr. Vincent C. Siew	蕭萬長	For his leadership in promoting the economic growth in Taiwan.
1992	Mr. Junru Ma	馬俊如	For his achievement in promoting foreign expert and technology exchange for China.
	Dr. Charles M. Tsai	蔡明曉	For his dedicated service to the Institute and METS



1993	Dr. Winston H. Chen	陳文雄	For his accomplishment and leadership in the electronics contract manufacturing business.
	Dr. Fenggan Zhuang	莊逢甘	For his outstanding contribution to the fundamental science in aerodynamics and the development of aerospace technology in China.
	Mr. Patrick Wang	王華燕	For his entrepreneurship and successful commercialization of microwave communication technology in Taiwan
	Mr. Jie Wang	王吉	For his exemplary entrepreneurial spirit and managerial skill in transforming a research institute to a prosperous enterprise in Jiangsu
	Ms. Li-lan Zhu	朱麗蘭	For her leadership in planning and implementation of central policies for the development of modern technologies in China
	Dr. Shu-Jou Lee	李樹久	For his dedicated service and accomplishment in guiding the economic development in Taiwan
	Dr. Janpu Hou	侯展璞	For his dedicated service to the Institute and SATEC
1994	Dr. Hui Hwui Chin	陳幼慧	For her dedicated service to the Institute
	Dr. David C. Chang	張鐘浚	For his accomplishment in the academia and leadership in the field of electromagnetic
	Dr. Ying-Kao Lee		For his outstanding contribution to the areas of automotive and electronic coatings
	Mr. Chung-Yu Wang	王鐘渝	For his leadership and accomplishment in the steel industry in Taiwan
	Prof. Xuan Wang	王選	For his leadership and accomplishment in the Chinese typesetting system in China
	Mr. Yun Kuo	果芸	For his dedicated service and accomplishment in guiding the information technology in Taiwan
1995	Mr. Chung-Kung Shih	石中光	For his leadership and outstanding contribution to public construction
	Mr. C. S. Liu		For his pioneering contribution to pharmaceutical manufacturing industry
	Dr. Chih Yuan Lu	盧志遠	For his outstanding achievement in submicron IC development
	Mr. Guangnan Ni	倪光南	For his excellent contribution to the development of computer industry
	Dr. Thomas P.K. Chang	張平康	For his dedicated service to the Institute
1996	Mr. Robert H. C. TSAO	曹興誠	For his achievements and outstanding contribution in the development of microelectronics industries in ROC.



	Dr. Steve S. Cheng	鄭瑞雨	For his achievements and outstanding contribution in the development of communication industries in ROC.
	Mr. Hanyan Yang	楊漢炎	For his dedication and outstanding service to the course of technology transfer from U.S. Chinese engineering communities to the People's Republic of China.
	Dr. Chiao Yeh	葉翹	For his dedication and outstanding service to the professional cause of this Institute.
1997	Dr. Chen Chiang	蔣震	For his outstanding contribution in engineering education and leadership in modernization of the Chinese machinery industry.
	Dr. Chi-Fu Den	鄧啟福	For his outstanding contributions in engineering education and in the promotion of cooperation among Chinese Universities.
	Dr. Shilie Weng	翁史烈	For his outstanding contributions in engineering education and in the promotion of cooperation among Chinese Universities.
	Dr. Tien-Pei Lee	李天培	For his outstanding contribution to opto-electronics and communications.
	Dr. Ding Yuen Yang	楊丁元	For his outstanding contribution in the advancement of micro electronics and computer technologies in Taiwan, ROC.
	Dr. Tsu-Wu Chou	周祖武	For his leadership and dedications to the Chinese engineering communities.
	Mr. Jun Ru Ma	馬俊如	In recognition of his outstanding contribution to SETEC program.
	Dr. Yen-Shiang. Shih	施顏祥	In recognition of his outstanding contribution to the METS program.
	Mr. K. C. Wang	王國琦	In recognition of his outstanding contribution to the METS program.
	Dr. Nai Wang	王迺	In recognition of his outstanding contribution to SETEC program.
1998	Dr. Benjamin Chu	朱鵬飛	For his outstanding achievement in the fields of physical chemistry, polymer physics and material science.
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	Mr. Michael Mou	莫自治	For his outstanding contribution in the development of personal telecommunication products.
	Dr. Bingqun Xiong	熊秉群	For his achievements and outstanding contribution in the development of national telecommunication industry in PRC.
	Dr. Kuo-Kuang Hsu	許國光	For his enthusiastic and consistent services to the Institute



1999	Dr. Lin-Nan Lee	李寧南	For his outstanding service in the field of Wireless and Satellite Communications
	Dr. Won T. Tsang	曾煥添	For his contribution to the advancement of Semiconductor Laser Material and Devices
2000	Dr. Bede Liu	劉必治	For his distinguished contribution to engineering education, network theory and digital signaling processing.
	Dr. William C. Y. Lee	李建業	For his contribution to wireless communications – as an author, inventor, researcher and manager.
	Dr. Da-Hsuan Feng	馮達旋	For his dedicated effort in coordination of Chinese American professional societies
	Dr. Sing H. Lin	林星雄	For his dedicated service to the Institute
	Mr. Ming-Hao Liu	劉明灝	For his long standing dedication service to the Institute
2001	Mr. Benjamin Cheng	鄭國賓	For his 35 years' dedication service to the Institute
	Dr. Tim Chen	陳啟雄	For his dedication service to the Institute
	Dr. Yih-yun Hsu	許翼雲	For his outstanding contribution to fundamentals of boiling heat transfer and nuclear power safety
	Dr. Cheng-Wen Wu	吳成文	For his outstanding contribution to the advancement of biomedical research
2002	Dr. Ovid J. L. Tzeng	曾志朗	For his outstanding services in education, research and policy making
	Dr. Chia Jung Liu	劉家榮	For his dedicated service to the Institute
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	Mr. Edward Yang	楊耀武	For his leadership and contribution to progress in information technology
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	Dr. Ted Chongpi Lee	李聰碧	For his dedicated service to the Institute
2004	Dr. Carter Tseng	曾憲章	For his pioneer work and leadership in high-tech industry in Taiwan



	Dr. Ya-Qin Zhang	張亞勤	For his leadership and contributions in software development
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	Dr. William M. Tang	唐明武	For his leadership in fusion research and contribution to fundamentals of plasma science
	Dr. Allen Chen	陳政仁	For his dedicated service to the Institute
2006	Dr. Harold Hwaling Szu	斯華齡	For his contribution to neural networks applications in information sciences
	Mr. John T. Yu	余俊彥	For his leadership in the global engineering and construction business in Taiwan
	Dr. Yi-Kang An	安宜康	For his dedicated service to the Institute
2007	Dr. Tse Wen Chang	張子文	For his contribution to insights in making genetically engineered antibodies and bioscience area
	Dr. Stephen Y. Chou	周郁	For his contribution to nanoscale patterning and the scaling of devices
	Dr. James C. M. Hwang	黃正民	For his contribution to development of molecular beam epitaxy manufacturing and hetero-structure devices and materials
	Mr. Huaping Huang	黃華平	For his contribution to lead the development of the largest hydroelectric river dam (China Yangtze Three Gorges Dam) in the world
	Dr. Biing-Hwang Juang	莊炳滄	For his contribution to speech coding and speech recognition
	Mr. Kuo-Ann Chiao	焦國安	For his dedicated service to the Institute
2008	Ms. Mary S. Chan	肖美蕾	For her leadership in wireless innovation
	Dr. Jay Lee	李杰	For his leadership in manufacturing development and devoted service to engineering community
	Dr. Paul Lin	林寶樹	For his leadership in technology and industry development of broadband information and digital video
	Dr. Ralph Yang	楊祖保	For his outstanding contribution to hydrogen research
	Dr. Chein-Chi Chang	張建祺	For his dedicated service to the Institute



2009	Ms. Anne H. Chow	周慧安	For her leadership in business development and entrepreneurship
	Dr. Jingshown Wu	吳靜雄	For his outstanding contributions in telecommunication development in Taiwan
	Dr. Hai-Lung Dai	戴海龍	For his outstanding contributions in molecular and surface sciences
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2010	Dr. Jason Hsuan	宣建生	For his leadership in business development and entrepreneurship
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	Dr. Jun-Min Liu	劉主民	For his dedicated service to this Institute



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Chang	Rong	張榮	Hong	Sun-Nan	洪勝男	Lin	Li Sen	林麗森
Chang	Shu-Ping	張書平	Hou	Janpu	侯展璞	Lin	Paul S. D.	林少達
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Chen	Michael C.	陳建國	Jen	Kwan-Yue	任廣禹	Liu	[Ming-Hao]	劉明灝
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Chen	Pi-Chun	陳碧君	Kao	Minglai	高明來	Lu	Guang	陸廣政
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Chen	Te-Hsuan	陳德軒	Kiang	Patty H.	孫惠華	Lu	Kevin	呂莫自
Chen	Tim C. S.	陳啟雄	Kiang	Y. H.	江彥雄	Mou	Michael	莫自治
Chen	Yu-Tsai		Koh	ShowLong		Nan	Ning	南寧賢
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Shu	Suisheng		Tseng	Carter	曾憲章	Wu	Te-Leng	吳德楞
Shyu	Jia-Ming	徐佳銘	Tuan	Felix		Xi	Kang	席康
Siew	Ernest L.	蕭亮禎	Wang	[Fang]	王福炎	Yan	Fred	顏為民
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Sun	John H.	孫筱鏞	Wang	Leon R.L.		Yeh	Elizabeth	董琍清
Szu	Harold	斯華年	Wang	P.C.	王秉鈞	Yeh	Hsuan	葉玄賢
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Tang	Man Chuan		Wei	Ben C.F.	魏志方	Yen	Chintang	
Tang	Mark	唐馬克	Wei	Millet L.	魏綸	Yen	Sylvester	嚴興鎬
Tao	David	陶大均	Wei	Steve		Ying	Robin L.P.	應樂平
Tao	William		Wei	Xinzhou		Yip	Vincent	葉福昇
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Toong	Peter		Wu	Frank C.				
Tow	C. Agnes	馬筑君	Wu	George C.	吳家德			
Tsai	Charles M.	蔡明曉	Wu	James J.	吳家驥			
Tsai	Marian	蔡敏演	Wu	[Jin]	吳京			

[] deceased



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2011 CHINESE INSTITUTE OF ENGINEERS - USA GREATER NEW YORK CHAPTER

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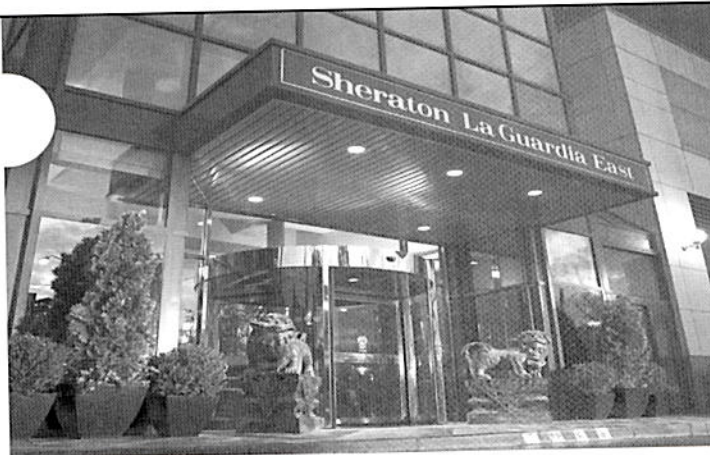
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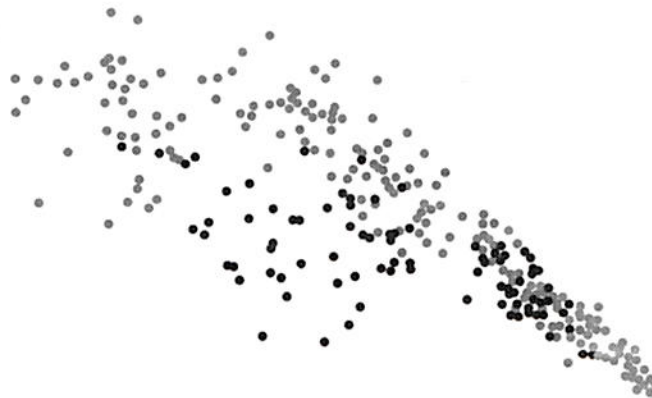
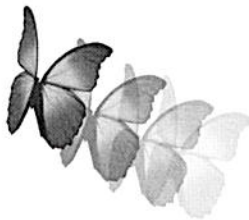
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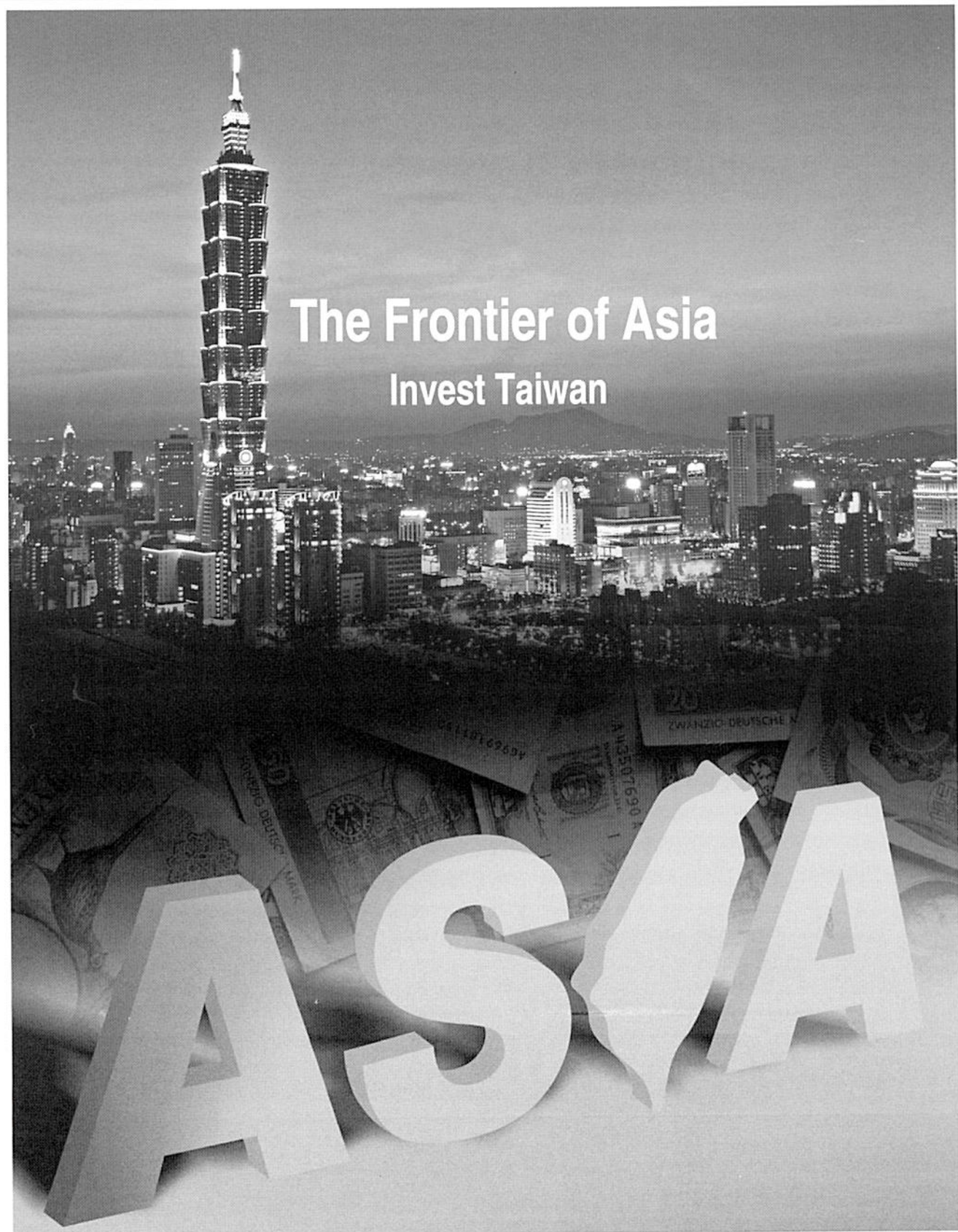
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— 紐約華僑文教服務中心簡介

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紐約華僑文教服務中心的設立，除了傳揚中華文化、拓展僑教之外，更為了讓移居異國的僑胞有一個溫暖的去處，希望僑胞閒暇時間，能夠前來稍作停留，瀏覽報章雜誌，閱讀各類圖書，對於台灣的現況可以有更進一步的瞭解，與台灣緊緊相繫、時時相連。而僑教中心作為僑務委員會在美東的窗口，全體同仁依循「僑務就是為華僑服務」的傳統精神，秉持「勤政、清廉、愛心」的原則，不分族群、地域、新舊，真心服務，以期凝聚一切支持熱愛台灣的力量，落實「團結大僑社」，建構「溫暖大僑鄉」的新願景。網址：www.ocac.gov.tw/newyork



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