



美 洲 中 國 工 程 師 學 會

Chinese Institute of Engineers/USA
San Francisco Bay Area Chapter



100

1917-2017



MARCH 11, 2017

Computer History Museum

1401 N. Shoreline Blvd., Mountain View, CA 94043

www.cie-sf.org

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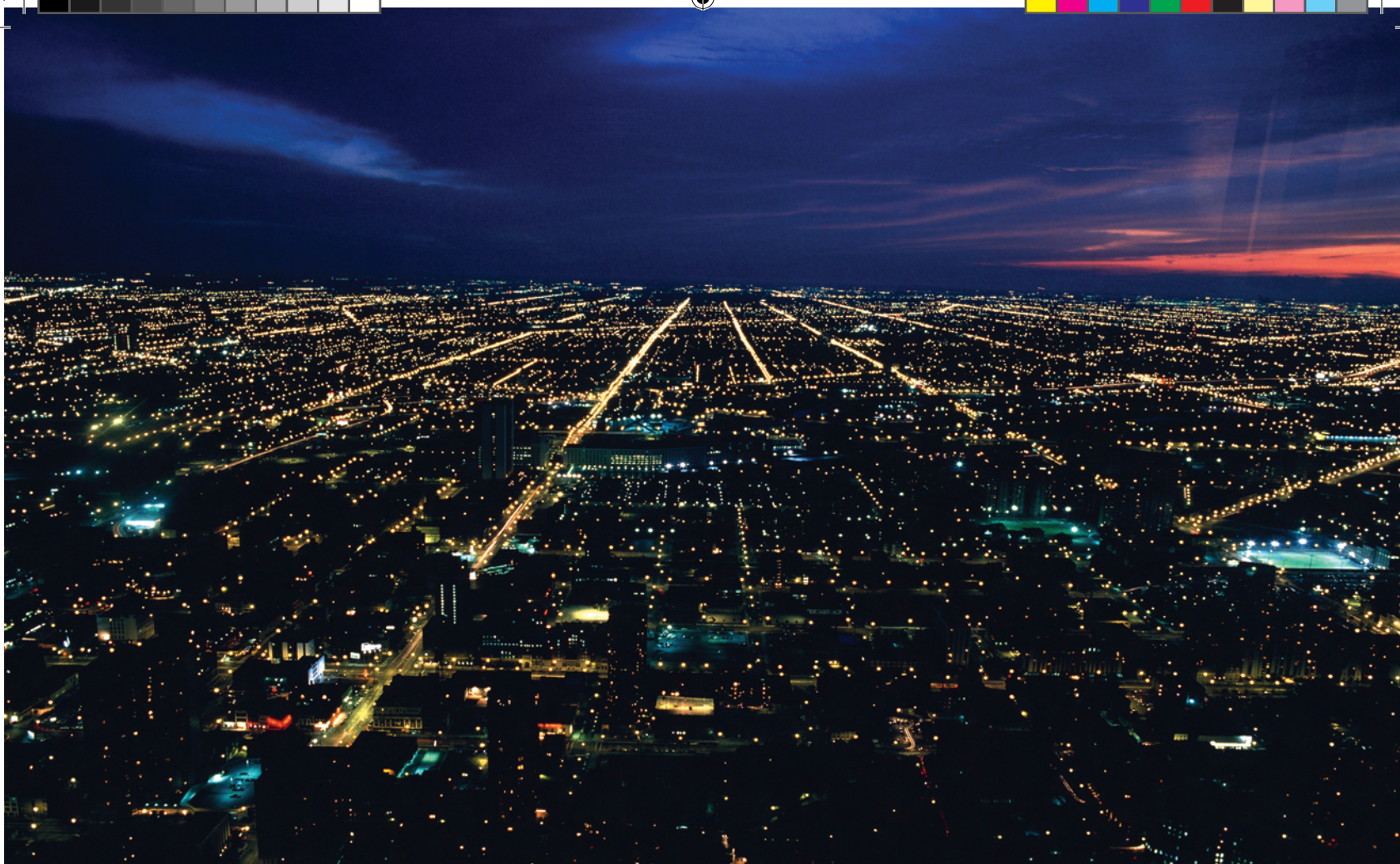


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San Francisco Bay Area Chapter

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38TH CIE-SF/USA ANNUAL CONFERENCE PROGRAM
Celebrating 100th year of CIE/USA

Saturday, March 11, 2017
Computer History Museum
1401 N Shoreline Blvd, Mountain View, CA, 94043

- 12:30 PM *Conference Registration*
- 1:20 PM *Afternoon Session: Stories of our Industries in the past 100 Years*
Shang-Yi Chiang (蔣尚義), Former TSMC COO and Executive VP, R&D
Title: Silicon IC Technology Innovations and Challenges
Ronald Fagin, IBM Fellow
Title: Applying Theory to Practice (and Practice to Theory)
Iris Fujiura Bombelyn, VP of Lockheed Martin
Title: Innovations in Aerospace Over the Last 100 Years
Kuei-wu Tsai (蔡桂伍), Provost/Academic VP of Wentworth Institute of Technology
Title: Civil Engineering Contributions & Responsibilities
- 5:00 PM *Banquet Registration & Networking*
- 6:30 PM *Dinner Banquet*
- 7:10 PM *History of CIE/USA and the San Francisco Bay Area Chapter*
- 7:30 PM *Distinguished Engineers of Silicon Valley*
- 7:50 PM *Keynote Speech, Robert Mao (毛渝南), Former CEO of 3Com, Chairman of HP China*
Title: What's Next? Building on Half a Century in Greater China's Technology Sector
- 8:30 PM *Silicon Valley Distinguished Entrepreneur of the Year Award*
Shoucheng Zhang (張首晟), Founding Chair of Danhua Capital
Silicon Valley Emerging Entrepreneur of the Year Award
Jaushin Lee (李兆興), President and CEO of Zentera System
Technology and Humanities Awards
Hung Cheng (鄭洪) & Jiang Wu (吳江)
- 9:05 PM *High School Student Scholarship Awards*
- 9:10 PM *Entertainment*
- 9:25 PM *Closing Remarks*

History of the Chinese Institute of Engineers, USA

Early History of CIE

Prior to 1905, there were no Chinese engineers in China. All major engineering projects were done by foreigners. The first engineering project designed and managed by Chinese engineers was in 1905, when Yale educated Zhan Tian-You 詹天佑 headed the building of Jing-Zhang Railroad 京張鐵路 connecting Peking 北京 (Beijing) and Chang-Jar- Ko 張家口 (Zhang-Jia- Kou).

Recognizing the need for engineers to help modernize China, more students were sent abroad to study science and engineering. On December 25, 1917, a group of able, dedicated and visionary Chinese engineers gathered in Cornell, New York, and proposed the founding of the Chinese Institute of Engineers (CIE – 中國工程學會). On March of the following year, the first meeting of the CIE was held in New York City with 80 members. These charter members were graduate students from American colleges and/or were receiving practical training in American railroads and industries.

In the next few years, many CIE members completed their study in the US and went back to China. The headquarters of CIE moved to Shanghai, China. The New York CIE became a Chapter in the US.

Back in China, CIE held annual conventions and promoted engineering activities alongside other engineering associations. Among them was Chung-Hwa Engineers (中華工程師學會), founded by Zhan Tien-You in 1912. Due to their similar visions and overlapping membership bases, leaders in these two organizations proposed a merger in 1930 to unify their strength. In August 1931, CIE merged with Chung-Hwa Engineers at a combined engineering convention held in Nanking (南京 Nanjing). The merged organization is named 中國工程師學會, with the English name Chinese Institute of Engineers. The headquarters was relocated to Nanking, then the national capital. The post-merger enrollment reached 2,169 members.

The organization remained active during the World War II in Chongqing (重慶), re-established the convention in 1938, and formed chapters in Kunming, Chengdu, Guiyang, Lanzhou, Guilin and Chongqing. During the period of Japanese invasion of China, the engineers provided the needed technical services to the government to defend China.

CIE suspended its activities in Mainland China in 1949 due to the civil war. On March 1950, CIE was re-established in Taipei and resumed its activities.

CIE/USA

In July 1953, the New York CIE was re-activated as an independent entity in New York City by a number of accomplished engineers in the U.S.

In the early 1960s, then Chairman of CIE in Taiwan Mr. K-T Lee 李國鼎 had a vision of collaborating with the Chinese-American engineering talents in the US to help transform Taiwan's economic base from agriculture into industry. He sought the support from CIE-NY. As a result, the bi-annual Modern Engineering and Technology Seminar (METS) was founded in 1966. Under the program, CIE-NY invited top-notch engineers from the US to discuss, plan and work with local engineers in Taiwan. The cooperation among the engineers successfully helped Taiwan in establishing the infrastructure for industrialization, promoting industrial research and development of advanced technologies. Over the years, METS has inspired many technological advancements in Taiwan and set up the stage for the Taiwan microelectronics miracles.

With the advent of the Silicon Valley, the CIE/USA – San Francisco Bay Area Chapter (CIE/USA-SF) was established in 1979 and Dr. Ta-Lin Hsu served as the founding president. After in-depth discussion and eventually reaching an agreement with the CIE-NY, the CIE/USA National Council, a federation organization of CIE/USA, was established in 1986 with the renamed Greater New York Chapter and San Francisco Bay Area Chapter as its founding chapters. In the years since, the National Council expanded to include Seattle Chapter, OCEESA Chapter, Dallas-Fort Worth Chapter, New Mexico Chapter and most recently, Southern California Chapter.

In light of the success of the METS, in 1993 the CIE/USA established another bi-annual seminar series, SATEC (Sino-American Technology and Engineering Conference), with China, with the objectives of promoting collaboration and mutual understanding for engineers in the US and China.

To strengthen CIE/USA's commitment to the engineering community in the US, the Asian American Engineer of the Year Award (AAEOY) was established in 2002 as part of the National Engineering Week activity. The first two annual award ceremonies were held in CIE/USA Dallas-Fort Worth Chapter. The third one was hosted by the CIE/USA-SF in 2004. It is now in its 16th year. AAEOY honors outstanding Asian-American engineers in various engineering disciplines and recognizes their contribution to the advancement of the society.

CIE/USA San Francisco Bay Area Chapter

CIE/USA-SF is a non-profit and non-political organization serving engineers and students in San Francisco Bay Area engineering community. The missions of CIE/USA-SF are to promote technological advancement, networking and communicating among engineers and scientists, and to promote the well-being of the engineering community.

CIE/USA-SF holds year-round events including CIE/USA-SF Annual Conference, Asian American Engineer of the Year (AAEOY) Award, short courses and technical group seminars.



Presidents of CIE/USA-SF 1979 - 2017

1979 Ta-Lin Hsu 徐大麟	1999 Margaret Hsu 許慕琳
1980 Yue-Chyou Yang 楊裕球	2000 David Fong 方玉山
1981 Kuei-Wu Tsai 蔡桂伍	2001 Belle Wei 魏文憶
1982 David Lee 李信麟	2002 Barry Lin 林嘉孚
1983 Hsia Choong 夏曉巒	2003 David Fong 方玉山
1984 Lester Lee 李心培	2004 Su-Syin Chou 周蘇心
1985 James Koo 顧德仁	2005 Joe-Ming Cheng 鄭佐明
1986 James Koo 顧德仁	2006 Eric Pai 白振寰
1987 Andrew Wang 汪其模	2007 Bernard Shung 項春申
1988 顏效程	2008 An-Yu Kuo 郭安宇
1989 Bill Sun 孫國華	2009 Larry Wang 王南雷
1990 Jung Lin 林庸	2010 Wen Wang 王文江
1991 Hong-Chiu Chen 陳宏久	2011 John Xie 謝苑林
1992 Ming-Gee Hsia 龔明祺	2012 Richard Yau 姚大凱
1993 Paul Huang 黃炎松	2013 Tony Liu 劉天佑
1994 Soung-Nan Liu 劉松男	2014 Chi-Min Chu 朱啟民
1995 Jenn-Luen Yeh 葉振倫/Gerry Liu 劉效宏	2015 Tien-Chun Yang 楊天駿
1996 Genda Hu 胡正大/Edward Yang 楊耀武	2016 Joel Liu 劉亞洲
1997 Ray Chen 陳潤吾	2017 Simon Ma 馬思平
1998 Ed Teng 鄧鳳山	



CHAIRMAN'S REMARKS

Dr. Tien-Chun Yang (楊天駿博士)

Chinese Institute of Engineers/USA was founded by a group of visionary engineers of Chinese heritage 100 years ago in New York to advance the knowledge in engineering, and to foster the fellowship among the engineers. It is a great honor for this organization to have served the Chinese engineer community for over a century. CIE/USA San Francisco Bay Area Chapter is proud to carry the torch passed on by our forerunners and to continue on this great tradition in the years to come.

CIE-SF is much honored to invite many great speakers to share their stories and experiences of the industry in the past decade. Mr. Yu-Lang (Robert) Mao is the keynote speaker of the dinner banquet. Mr. Mao was the former HP China Region Chairman and former CEO of 3Com. The afternoon session speakers include the retired TSMC COO & EVP, Dr. Shang-Yi Chiang; IBM Fellow, Dr. Ronald Fagin; VP of Lockheed Martin, Iris Bombelyn; and former Dean of Engineering at Cal State Los Angeles, Dr. Kuei-wu Tsai. They share their stories in semiconductor, computer science, aviation, and civil engineering industries. In addition to their great experiences presented in the conference, CIE's network of engineers and entrepreneurs help connect the resources to where the professional enhancement and growth is needed.

CIE throughout the years has advocated the value of a "whole" engineer, an engineer who not only is proficient in his/her own profession, but also has broad-base knowledge in art, culture, history, and other social science. This engineering expertise together with broad social science knowledge often inspires a solution or innovation that is of a higher caliber.

This year we choose Computer History Museum to conduct the conference. On top of the traditional ways of news media, we promote this event heavily through social media, such as Facebook, LinkedIn, LINE and WeChat. In the past year, we spent tremendous amount of effort to consolidate our membership database using a new database system. We have created new ways to send our event notices through eLetter and Meetup. Although I will not call these initiatives or changes innovation, we have made significant progress and will continue to do so in the coming years to adapt to the innovative infra-structure presented to us. I am excited to witness the continuous growth of CIE/USA-SF when we are celebrating our centennial anniversary.

Hope you can join us and enjoy the ride.



PRESIDENT'S REMARKS

Dr. Yazhou (Joel) Liu (劉亞洲博士)

On behalf of Chinese Institute of Engineers U.S.A., San Francisco Bay Area Chapter (CIE/USA-SF), I would like to welcome you to our 2017 Annual Conference, and also the local celebration of CIE/USA 100th anniversary. With your continuous support, we have successfully brought exciting technical and humanities programs to enrich our community.

Under the Chinese Institute of Engineers U.S.A., founded in 1917, the CIE/USA-SF was established in 1979 to promote technological advancement and networking, the well-being of the Chinese-American engineering community and the engineering community, and the engineering and industrial collaborations in the U.S. and abroad. We will continue to pursue these missions through a sound organization structure and well planned activities.

I would like to express my most sincere appreciation for the dedication and commitment of our chapter officers, Mr. Simon Ma, Vice President; Mr. Andrew Fang, Secretary; Mr. Zachary Lee, Treasurer, all the board members, group officers, volunteers, and you. Through teamwork and collaboration with other CIE/USA chapters and the fellow Chinese engineering organizations in the bay area, we are proud to continue the contribution to our members and engineering community. The following are a few highlights of the activities from 2016 to 2017.

- 37th CIE/USA-SF Annual Conference, Mountain View, CA, Feb., 2016
- Internet of Things Workshop, May, 2016
- Co-host Asian Leadership Symposium with CASPA and Monte Jade, July 9th 2016.
- Soft Skill Training: Leadership and Personal Networking, October, 2016;
- Education Workshop: College Planning; Intelligent Learning Program; etc. November, 2016
- Over ten technical seminars offered by our technical groups on big data, AR/VR, Internet of Things, LiDAR, global internet architecture, software defined building design, and many other technologies.

In 2016, we launched our social media initiative to build closer ties to our members and friends. We have formed WeChat groups, created WeChat Public account, setup Facebook Fun page, opened Meetup account, migrated our old group email system to a new monthly eNewsLetter system, and used EventBrite for the registration of all of our events. We have double or tripled our reach, for example, our monthly eNewsLetter can reach over 3,000 individual emails.

In May 2016, Young CIE was formed as a new group of CIE/USA-SF. The first Chairwoman is Pei-Yu Hou. The formation of this group helps our chapter to better reach the younger generation of Chinese-American engineers, and they have already organized one successful event in October.

We would not have achieved these without your support. We look forward to your continuous support and another fruitful year to serve our engineering community. Thank you!



Banquet Keynote Speaker

Mr. Robert YL Mao (毛渝南)

*Former HP China Region Chairman
Former CEO of 3Com*

Robert Mao has actively participated in the US, China, Taiwan, Asia and Europe technology markets for the last 40 years.

Bob is currently a senior advisor to a premier China based equity fund and an independent board director for one US listed pressure exchange company and one Taiwan listed automotive company respectively. He also participates in the strategic direction of private companies based in Taiwan serving US and Asia markets.

Bob was most recently, 2013-2016, the HP and Hewlett Packard Enterprise China Region Chairman. Prior to that Bob served as the global CEO for 3Com, an S&P 500 company at the time, and oversaw the sale of 3Com to HP in 2010. Bob served as the Greater China regional president for Canada's Nortel Networks and France's Alcatel-Lucent respectively in the 1990s and 2000s. In the 1970s and 1980s Bob ran a telecom industrial unit in Taiwan for ITT and later for Alcatel serving Asia and worldwide markets. In the 1960s and early 1970s Bob worked at technology companies on the US east coast. Over the years Bob had served as independent board directors for public companies based in the US, Taiwan, Hong Kong and China.

Bob is a graduate of Cornell University with Bachelor's and Master's degrees in metallurgical engineering and material science respectively. He also has an MBA degree from the MIT Sloan School of Management.

2017 CIE/USA-SF Silicon Valley Entrepreneur of the Year Award



Prof. Shoucheng Zhang (張首晟)

Prof. Shoucheng Zhang joined the faculty at Stanford in 1993, and is now the JG Jackson and CJ Wood professor of physics. He also holds joint appointment in the department of applied physics and electrical engineering. He is a member of the US National Academy of Science, the American Academy of Arts and Sciences and a foreign member of the Chinese Academy of Sciences. He discovered a new state of matter called topological insulator in which electrons can conduct along the edge without dissipation, enabling a new generation of electronic devices with much lower power consumption. For this groundbreaking work he received numerous international awards, including the Buckley Prize, the Dirac Medal and Prize, the Europhysics Prize, the Physics Frontiers Prize and the Benjamin Franklin Medal, one of the most prestigious science prizes in the world, whose previous laureates include Albert Einstein, Madame Curie, Stephen Hawking, Thomas Edison and Alexander Bell.

Prof. Zhang is the founding chairman of Danhua Capital. He has made numerous angel investments into Stanford based startups including VMWare. He founded Danhua Capital in 2013 to focus investments in startups from Stanford and Silicon Valley. Danhua's LPs include Baidu, Alibaba, Ctrip, Lenovo and Sina, which are leading internet companies from China. Danhua's investments focus on mobile internet, big data, AR/VR, genomics and precision medicine, sharing economy and robotics.



2017 CIE/USA-SF Silicon Valley Entrepreneur of the Year Award

Dr. Jaushin Lee (李兆興)

Dr. Jaushin Lee is a serial entrepreneur who for over 15 years has been founding technology companies to execute on his vision for the future intersection of enterprise networking, security and computing.

Currently, Dr. Lee is the founder and CEO of Zentera Systems, the leader in multicloud security and networking. He is the visionary architect behind the Zentera CoIP® (Cloud over IP®) platform that enables enterprises and cloud service vendors to dramatically accelerate the provisioning of virtual network security infrastructure across cloud datacenters and enterprise on-premise environments. His industry-leading CoIP innovation has been deployed for worldwide operations by global corporations. It is the first infrastructure security solution for the multicloud, delivering workload isolation, shield, and filtering to secure enterprise production workloads.

In 2012, Dr. Lee started Zentera with a vision to address a critical industry requirement that he could foresee would enable widespread adoption of the cloud – the need to merge on-premise security functionality with cloud workloads and applications. Winner of the 2016 Red Herring Top 100 Award, 2016 TIE50 Top Startup Award and 2017 Info Security Startup of the Year Silver Award, Zentera is based in Silicon Valley with engineering offices in Taiwan.

By combining security engines from security providers - such as Intel Security (McAfee), Palo Alto Networks, Cisco Security and

Symantec - with its multicloud service isolation and shield, Dr. Lee's CoIP gives enterprises a complete solution for multicloud infrastructure security. Zentera's infrastructure security is also being selected to power secure IoT and telecom service operations.

Dr. Lee has more than 20 years of R&D management and executive experience in networking and computing engineering. Before Zentera, he was the founder and CEO of Imera Systems, which provided secure enterprise collaboration solutions. He built Imera from the ground up, raised three rounds of funding, and successfully acquired a number of Global 2000 enterprise customers with a multi-million dollar run rate. Earlier in his career, he managed Cisco's network search engine program, supporting numerous critical product lines such as the CRS-1 router, Catalyst 4K and Catalyst 6K, among others. Jaushin has held management positions with Terawave Communications and Silicon Graphics, as well as served as an assistant professorship with the EE Department at University of Virginia.

Dr. Lee earned a Ph.D. from the University of Illinois at Urbana-Champaign, an MS from Columbia University, and a BS from National Taiwan University, all in EE. He has published numerous international conference and journal papers and been granted more than 20 US patents.

2017 CIE/USA-SF Technology and Humanities Award

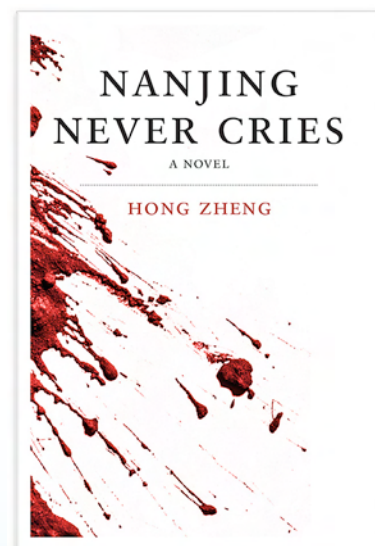


Prof. Hung Cheng (鄭洪院士)

Professor Hung Cheng was born in Canton, China, in 1937. Going to Taiwan in 1951, he entered Taiwan University in 1954. In 1959 he started graduate school at Caltech, obtaining his PhD degree in 1961 majoring in theoretical physics. In 1973 his surprising prediction (with TT Wu 吳大峻院士) of the indefinite rise of the proton cross section with energies was seen in the experiments at CERN, Geneva. (New York Times, front page, March 9 1973; Physics Today, May 1973). Since then this prediction has continued to be verified at energies thousand times higher. He was elected a member of the Academia Sinica in 1978 and has been a professor at MIT for fifty-one years.

In 1989, Professor Cheng corrected a theory by Herman Weyl which had been proposed to explain the origin of the photon. It supplanted Einstein's unified field theory but failed to incorporate the principle of general relativity. With the correction the interaction of Weyl's 'photon' with the electron completely vanishes. It is hence not the photon but a candidate for dark matter.

Professor Cheng devoted the spare time of the last ten years of his life writing an English novel entitled 'Nanjing Never Cries', a story told in the backdrop of the Nanjing Massacre. He has also translated this novel into the Chinese novel 「南京不哭」.





2017 CIE/USA-SF Technology and Humanities Award

Jiang Wu (吳江)

Ph.D. M.S. M.M.

Dr. Jiang Wu is a computer scientist, software architect, and a violin/music teacher by training and work. Born in Shanghai, at age 10 joined the string orchestra of Shanghai Children's Palace, a prestigious organization created by Madam Sun Yet-Sen. Later Dr. Wu joined the famous Kongzheng Opera Company in Beijing, serving as the principal of 2nd violin. Dr. Wu accepted a special study in Central Conservatory of Music in Beijing; a college graduation diploma from Shanghai Foreign Language Institute; a Master of Music and a Master of Science from Northern Illinois University, and a Ph.D. in Computer Science from Illinois Institute of Technology.

In Beijing, Dr. Wu helped to finish the Music Encyclopedia published by Renmin Music Publishing Company. Dr. Wu joined Shanghai Jiao Tong University to help build the first Computer/Electronic Music studio in China, literally became the first computer/electronic musician and university faculty in the country, and helped to build the first computer music system in China.

Dr. Wu arrived in the U.S. as a visiting scholar and finished two master degrees in NIU, then worked for Computer Associates as a software developer, working on system software. During this period, Dr. Wu finished a Ph.D. degree in computer science at IIT, focused on artificial intelligence and data modeling. Later Dr. Wu joined several companies, including Package Instrument Company, United Airline Research Center and Charles Schwab. Finally Dr. Wu founded IntelliFlow System (www.vispos.com) to develop, market, and sell his own POS systems. The Visual Restaurant Management System has won an award from Microsoft and another from China Restaurant Association. It has more than 1,000 installations all over the world, including many in the Bay Area.

Dr. Wu also has a violin studio (www.dwviolin.com). Currently he is an active member of Chinese Music Teachers Association in Northern California (CMTANC, worked as vice-chairmen and board member before), and the VOCE Director of Alameda Branch of the Music Teachers Association of California (MTAC).

Distinguished Engineers of Silicon Valley



Sandy Chau
朱偉人

- Founder of Acorn Campus Ventures
- Founder of Suma Ventures
- Founder of Trident USA
- Founder of Achievo & AAMA
- Founding CEO of Universal Semiconductor



Pehong Chen
陳丕宏

- Founder & CEO of BroadVision
- Bloomberg Businessweek "World's Most Successful Immigrants"
- 1999 EY Entrepreneur of the Year Award



Chun Ya Chen
陳鈞亞

- VP of Worldwide Operations, Integrated Device Technology
- Former Chairman of Monte Jade West
- Vice Chairman of International Leadership Foundation, San Francisco



Chenming Hu
胡正明

- TSMC Distinguished Professor Emeritus, UC Berkeley
- 2016 National Technology and Innovation Medal, awarded by President Barack Obama
- Father of 3D Transistors



Hsing Kung
龔行憲

- Managing Partner and co-founder, Acorn Campus Ventures, Founder and Chairman, Luxnet Corp
- Former Chairman of Monte Jade
- "Asian American Hero 2002" from County of Santa Clara



David Lam
林傑屏

- Founder and Former CEO, Lam Research
- Director of the Committee of 100
- Governor of the National Conference for Community and Justice



Gwong-Yih Lee
李廣益

- Senior Managing Director, TransLink Capital
- Former Senior Director and General Manager, Cisco Systems Inc.
- Independent Director, Alliance Fiber Optic Products Inc



Jim Sha
沙正治

- Founder, Spring Creek Investments
- Partner, Apogee Venture Group
- Managing Partner, Spring Creek Ventures LLC

Distinguished Engineers of Silicon Valley



Cheng-Chung Shih
施振強

- President and CEO, Capella Microsystems
- Former Managing Director, Broadcom Taiwan Design Center
- An expert in CMOS and mixed-signal digital and analog ASIC design



David Tsang
臧大化

- Founder and former Chairman, Oak Technology
- Co-founder, Acorn Campus Ventures
- A semiconductor industry expert and visionary



David Wang
王寧國

- Founder, former CEO and President, Semiconductor Manufacturing International Corp
- Former Exec VP, Applied Materials
- Pioneer of semiconductor manufacturing



Tsung-Ching Wu
吳聰慶

- Co-founder and Executive Vice President, Atmel
- CTO of Asia Silicon Valley Development Agency
- Former Executive Vice President, Newport Media, Inc.



Ken Xie
謝青

- Founder, Chairman of the Board, and CEO, Fortinet
- Founder and former CEO of Netscreen
- Top 5 Entrepreneur by Entrepreneur Magazine in 2005, plus many other awards



David Yen
顏維倫

- Former Exec VP General Manager, Juniper Networks, Inc.
- Former Senior VP & General Manager-Data Center Group, Cisco Systems, Inc.
- Former Executive VP, Sun Microsystems, Inc.



Simon Ma
Chair of CIE-SF 2017 Annual Conference
Vice President of CIE-SF

Simon Ma has been a volunteer of CIE for more than 10 years. He used to be the chair of EECS Group and organized seminars and conferences. He is currently a BOD member and the Vice President of CIE-SF.

Mr. Ma is the Director of RF technology in Imagination Technology. He worked in communication industry for more than 20 years. Mr. Ma worked for ITRI, TSMC and several startup companies in the Silicon Valley. For these companies, he built and led different Analog/RF IC design teams to develop RF chips for Bluetooth, WiFi, and UWB. Some of these teams are multi-site and crossed the Pacific Ocean. He is a pioneer to manage a multi-site HW RD team with internet tools. He is a former technical chair and secretary of IEEE Communications Society SCV chapter, a former board director of NATEA, a former BOD member and the Executive Director of Symposium Group of CASPA.



Christie Wang
Master of Ceremonies of
the Dinner Banquet

Christie Wang is the co-founder of Medika Healthcare, Co. Ltd., an innovative medical device company focusing on development and distribution of non-invasive glucose monitoring system and other minimally invasive medical devices. The company is striving to push its first product to the Asian market by 2018. Before Medika, Christie was CEO of Unisource Inc. (USA), a cross-border industrial platform supported by Jiangsu Province and was empowering U.S. companies with innovative medtech technology in their Asia/China entry endeavors. She brought experience in CFDA regulatory certifications, investment and acquisitions by Chinese public/private companies, patents licensing and assignment, and marketing and distribution in Asia. Prior, Christie worked at Hewlett Packard Company based in Palo Alto, CA focusing on IP enforcement, compliance, and Anti-Corruption law emphasizing on the Asia market.

Additionally, Christie was awarded the Most Excellent Overseas Chinese by the State Council of PRC in 2015. Christie earned a J.D. from Northwestern School of Law, Chicago.

Special Acknowledgement

We want to acknowledge the hard work of our staff and volunteers. The teamwork makes this event successful. Many thanks for their selfless contributions. This special acknowledgement goes to:

- PR: Maggie Li and Xia Zhang
- Registration preparing: Zachary Lee, Brian Pan, and Kimi Li
- Proceedings: An-Yu Kuo, Jessica Tseng, and Yu-Ju Tsai
- Award reviewing: Joel Liu, John Xie, David Fong, Fred Hsia, and Ta-lin Hsu
- Scholarship program: Tony Liu and Patrick Lam
- Fundraising: Raymond Y. Chen, Su-Syin Chou, many BOD members and former Presidents
- Coordinators/planners: Andrew Fang, Chi-Min Chu, Richard Yau, Johnathan Chiang, Pingli Huang, Libo Weng, Hao Hsu, Anna An and other BOD members and volunteers.

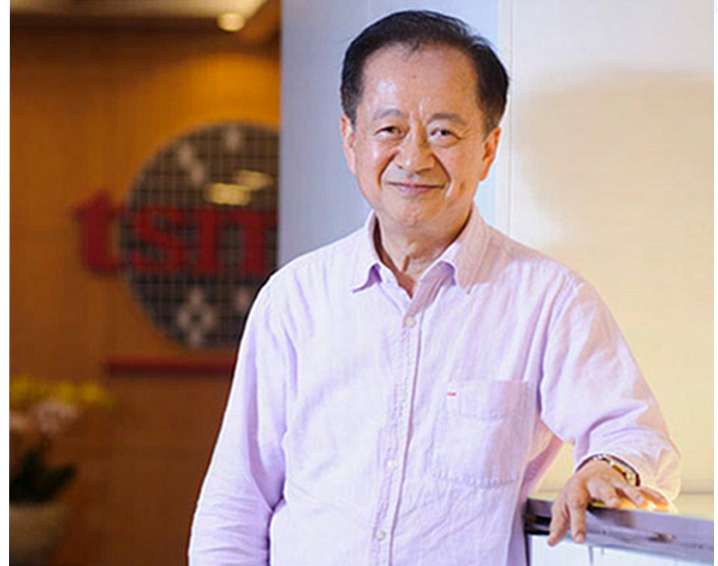
CIE-SF/USA 2017 ANNUAL CONFERENCE AFTERNOON SPEAKERS

Stories of Our Industries in the past 100 Years

STORIES OF THE SEMICONDUCTOR INDUSTRY

SHANG-YI CHIANG - 蔣尚義

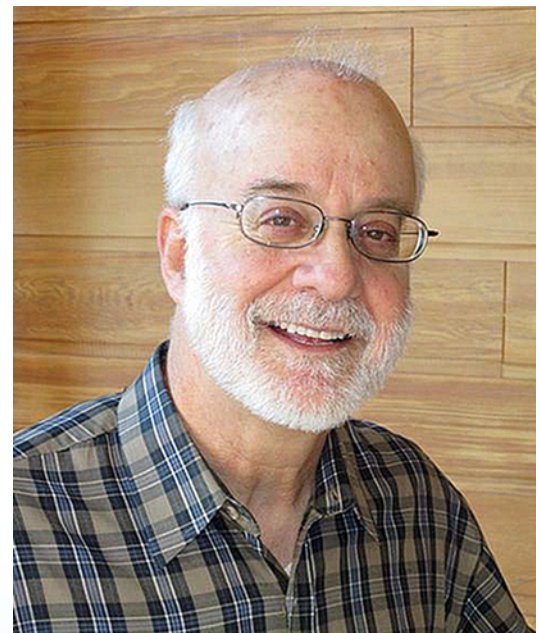
Shang-Yi Chiang's insight and expertise have transformed Taiwan Semiconductor Manufacturing Company (TSMC) from a technology follower to a driving force. Under Dr. Chiang's direction, TSMC's R&D organization grew from 148 people to 5,500 and has set milestones in semiconductor technology scaling at nodes from 0.25 microns all the way down to 28 nanometers. An IEEE Life Fellow and recipient of Business Week magazine's Star of Asia award (2001).



STORIES OF THE COMPUTER INDUSTRY

RONALD FAGIN

Ronald Fagin is an IBM Fellow at IBM Research – Almaden. IBM Fellow is IBM's highest technical honor. There are currently around 90 active IBM Fellows (out of around 400,000 IBM employees worldwide), and there have been only around 250 IBM Fellows in the over 50-year history of the program. Fagin received his B.A. in mathematics from Dartmouth College and his Ph.D. in mathematics from the University of California at Berkeley. He is a Fellow of IEEE, ACM, and AAAS (American Association for the Advancement of Science). He has co-authored four papers that won Best Paper Awards and three papers that won Test-of-time Awards, all in major conferences. He was named Docteur Honoris Causa by the University of Paris. He won the IEEE Technical Achievement Award, IEEE W. Wallace McDowell Award (the highest award of the IEEE Computer Society), and ACM SIGMOD Edgar F. Codd Innovations Award (a lifetime achievement award in databases). He is a member of the US National Academy of Engineering and the American Academy of Arts and Sciences.



STORIES OF THE AVIATION INDUSTRY



IRIS FUJIURA BOMBELYN

Iris Fujiura Bombelyn is vice president of Narrowband Communications at Lockheed Martin. In this role she authors strategy and manages operations of next-generation, secure satellite communications programs, including the Mobile User Objective System (MUOS). As the MUOS program manager, she leads the team delivering secure comms on the move for the military user. The system comprises 5 satellites, 4 ground stations, 2 satellite control facilities and software for the IP-based system management and control.

Previously, she led the Space Systems Manufacturing team. Iris worked across all programs providing complex manufacturing of unique items for space and sub-orbital applications. She promoted lean and defect-free manufacturing and introduced advanced manufacturing for new products, all while balancing improvements in affordability and quality.

Over 30 years in the space industry, a strong systems engineering foundation and P&L leadership roles give her the executive presence, business acumen, and strategic vision to lead organizations to the next level.

Her interests include emerging technology, social trends, and global economics. Bombelyn supports her Alma Maters, Washington State University and Massachusetts Institute of Technology, providing mentoring, industry insight, and leadership and innovation presentations. She is a member of the WSU Harold Frank Advisory Board.

STORIES OF THE CIVIL ENGINEERING INDUSTRY



KUEI-WU TSAI - 蔡桂伍

Dr. Kuei-wu Tsai was the department chairman of civil engineering and associate dean of engineering at San Jose State University, dean of engineering, computer science and technology at California State University, Los Angeles, provost and vice president for academic affairs at Wentworth Institute of Technology in Boston. He has received many national and local awards, including Outstanding Professor of San Jose State University in 1992, and the 1993 James M. Robbins National Outstanding Teaching Award, the highest honor conferred by Chi Epsilon, the National Civil Engineering Honor Society.

Dr. Tsai graduated from National Taiwan University with a B.S. Degree in Civil Engineering in 1962. Came to the United States with \$200 in his pocket in 1963, he received M.S.E. (1965), M.A. (1965), and Ph.D. (1967) Degrees, specializing in Geotechnical Engineering, from Princeton University.

In addition to teaching and research, Dr. Tsai has been active in geotechnical engineering practice. His projects include power plants, refinery facilities, oil and water tanks, steel mill, sewage treatment plants, low- and high-rise buildings, bridges, highways, subways, waterfront structures, large scale land reclamation and development, dams and other earth structures, both in the United States and overseas.

He believes in paying back to the society, and has been an active leader in many national and local professional and community service organizations.

2017 CIE/USA-SF SCHOLARSHIP AWARDS



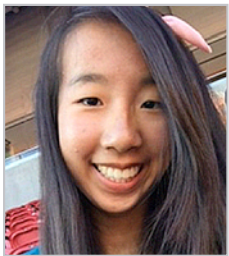
Edwin Mui

- Dougherty Valley High School, 11th Grade
- Presidential Service Award (Bronze), Jan. 2016
- Community Service Award from California Assemblywomen Catherine Baker, Sept. 2016 & April 2015
- Leadership Award from California Senator Bob Huff, April 2015
- Young Entrepreneur Award, Jan. 2015, 2016 & 2017
- Boy Scout Troop 252 Assistant Senior Patrol Leader
- Founder VP, Out Reach Officer and Web Master of PLAY Club
- VP of Marketing for YIBI (Youth International Business Initiative) Club
- Founder and President of Stutors.org
- Founder and CEO of eSquare Innovations LLC
- DECA, Interact, CSF & NHS service clubs Member



Claire Chang

- Monta Vista High School, 11th Grade
- Director, Cards for Love
- Global Youth Philanthropy Chair
- Director of Conferences, Monta Vista FBLA
- Future Business Leaders of America
 - Placed 6th in Parliamentary Procedure at FBLA Nationals in Atlanta, Georgia
 - Placed 2nd in Parliamentary Procedure at FBLA States in Ontario, California
- Semifinalist in Duo Interpretation at CFL Varsity Individual Events Tournament in Milpitas, California
- 2015 All-League Player, Junior Varsity Volleyball



Alicia Kuang

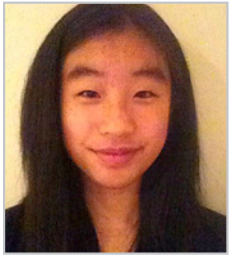
- Lynbrook High School, 12th Grade
- Girl Scout Gold Award (110 hrs.)
- California Scholarship Federalism club (120 hrs.)
- Red Cross club (60 hrs.)
- National Honor Society club (45 hrs.) (Treasurer position)
- National Chinese Honor Society club (20 hrs.) (Co-President)
- Music for Community (20 hrs.) (Activities Coordinator)
- American Cancer Society club (20 hrs.)
- Volleyball (Varsity) – Scholar Athlete award
- Badminton (Varsity) – Scholar Athlete award
- Boy Scouts of America Triple Crown Award (~400 hrs)
- Venturing Crew (President, Vice President of Administration, Quartermaster, Treasurer)
- Jin's Mental Arithmetic Academy – for 12 years, passed 7 Dan



Ping Hsieh

- Leland High School, 11th Grade
- Winner of High School Gordon Fellow scholarship for climate change research at UCSD
- Page Editor (Opinions) for The Charger Account--Awarded First Place by The National Scholastic Press Asso. and The Columbia Scholastic Press Asso.
- Writer for Monte Jade (West) Technology Asso.; Chinese Institute of Engineers (SF Chapter)
- Rising Principal percussionist and Candidate for Young Artist Competition for San Jose Youth Symphony
- "Outstanding Musician" award by the University of the Pacific with scholarship
- Best Patrol Leader and Most Outstanding award by the White Stag
- Leadership Development Academy
- Internships at Venture Pacific Law and Astak Inc

2017 CIE/USA-SF SCHOLARSHIP AWARDS



Hong-Hsuan Chen

- Saratoga High School, 12th Grade
- 2016 Siemens Competition Semifinalist
- National Merit Semifinalist
- AP Scholar with Distinction
- Xerox Award for Innovation and Information Technology: Junior Award
- First Place, Zero Robotics High School Tournament (2015)
- Certificate of Merit Level Advanced (MTAC): Violin
- Inspire Award 2nd Place (Northern California Regional Qualifying Tournament, Jan. 31), 10th Grade



Yage Pi

- Leigh High School, 11th Grade
- Red Cross Youth Volunteer
- Red Cross School Club Co-President/Founder
- Children's Recovery Center of Northern California volunteer
- American Cancer Society volunteer (office receptionist)
- National Honor Society, National Art
- Honor Society & Science Olympiad member
- Breakthrough Silicon Valley tutor
- Private math tutor



Megan Wu

- Cupertino High School, 11th Grade
- Basketball team for 3 years : League Champions 2014-2015 and 2015-2016, Team Captain 2016-2017
- Colorguard: 1st place in competition, Captain 2017-2018
- Piano Honors in levels 5,7,and 9 (currently working on advanced level)
- West Coast Extreme basketball club team
- Volunteering at Taiwan Tourist Center



Vincent Hsing

- Leland High School, 11th Grade
- Central Coast Section Cross Country Championships (2016 Varsity team)
- Speech & debate: original advocacy, public forum debate (National Forensic League - Degree of Merit and Degree of Honor)
- Certificate of Merit: advanced level – piano
- Royal Academy of Music Certificate - Level 5
- Community Service Hours (54+ - Chinese/School TA)



Emily Gu

- Lynbrook High School, 11th Grade
- Firebird Youth Chinese Orchestra, 1st senior chair
- International Abacus Arithmetic Competition 3rd place
- Golden Desert Las Vegas 2016 Octofinalist
- Colts Invitational Grand Finalist Winners
- Mike Honda- Bay Area Student Advisory Council
- Connexpedition Taiwan Service Trip- Class teacher for underprivileged students
- Presidential Volunteer Award (three-timer)

Entertainer

Sonia Chen (陳頤欣)

Sonia, a passionate scientist who is a fusion Jazz-pop singer and a participant of famous Taiwan TV Song Contest "Super Idol, Season I".

With the scientific spirit as core, multiple styles could be the best word to describe her style. Unique interpretation is one of the signature of her performance which walk her into different type of stages. She now is a vocal of Creative Music Orchestra (CMO) and Margarita Vocal Band. The album "Journey of freedom" (with CMO) has been nominated as "Best Aboriginal Album" in 2016 Golden Melody Award, Taiwan.

You can find her steps and records in several famous live-house in Taiwan.



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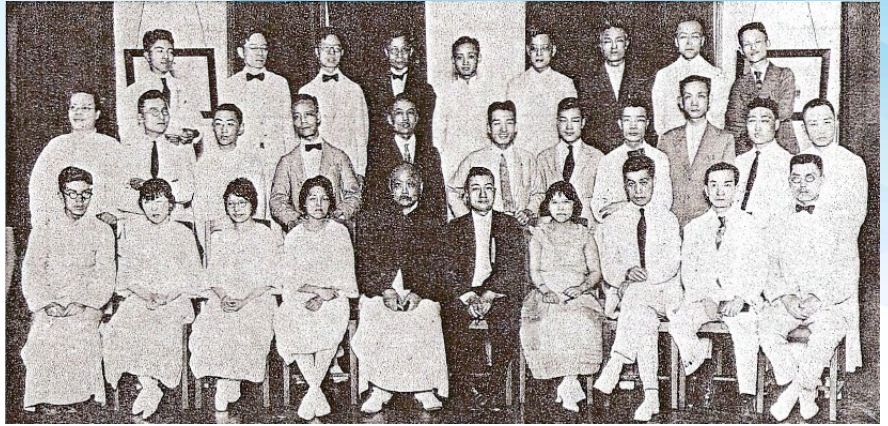
Brian Pan

Xin(Sherry) Hu

A CENTURY OF CIE ACTIVITIES



Zhan Tian-You with members of Chung Hwa Engineers in 1913



CIE members in 1924 during the 7th Convention in Shanghai



1966 First METS



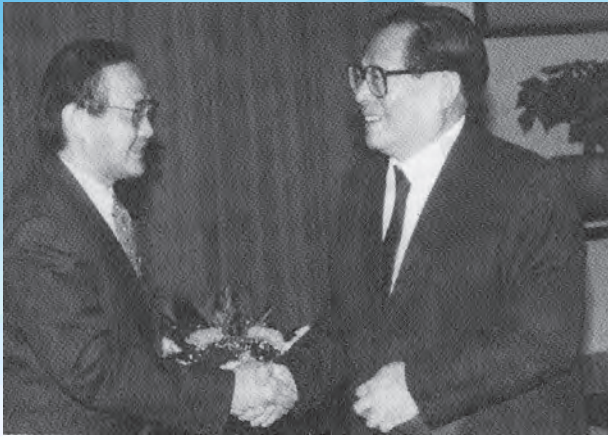
Former CIE-SF President YC Yang conferring with Mr. KT Lee



2004 METS participants with Mr. YS Sun



CIE-SF Presidents at the 20th Annual Conference



1993 First SATEC



2004 20th METS



2006 7th SATEC



2002 First AAEOY



2004 3rd AAEOY

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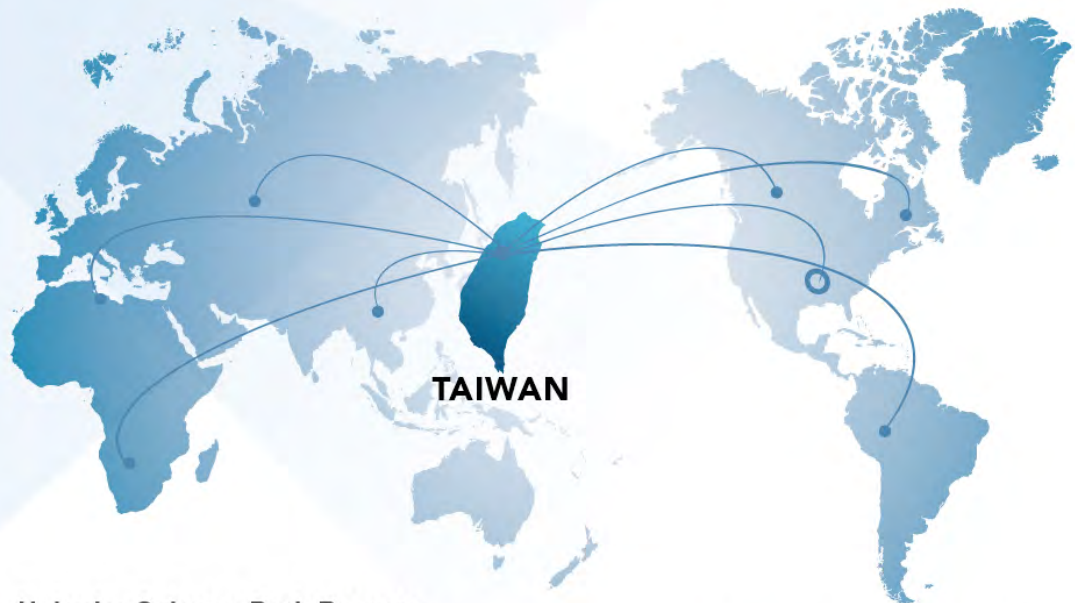


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- 美国加州律师协会注册律师 (2008年)
- 曾任中国大型外资企业公司法律顾问八年
- 美国University of Texas at Austin LL.M
- 中国复旦大学法律系本科 (1993年毕业)



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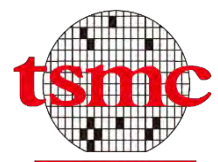


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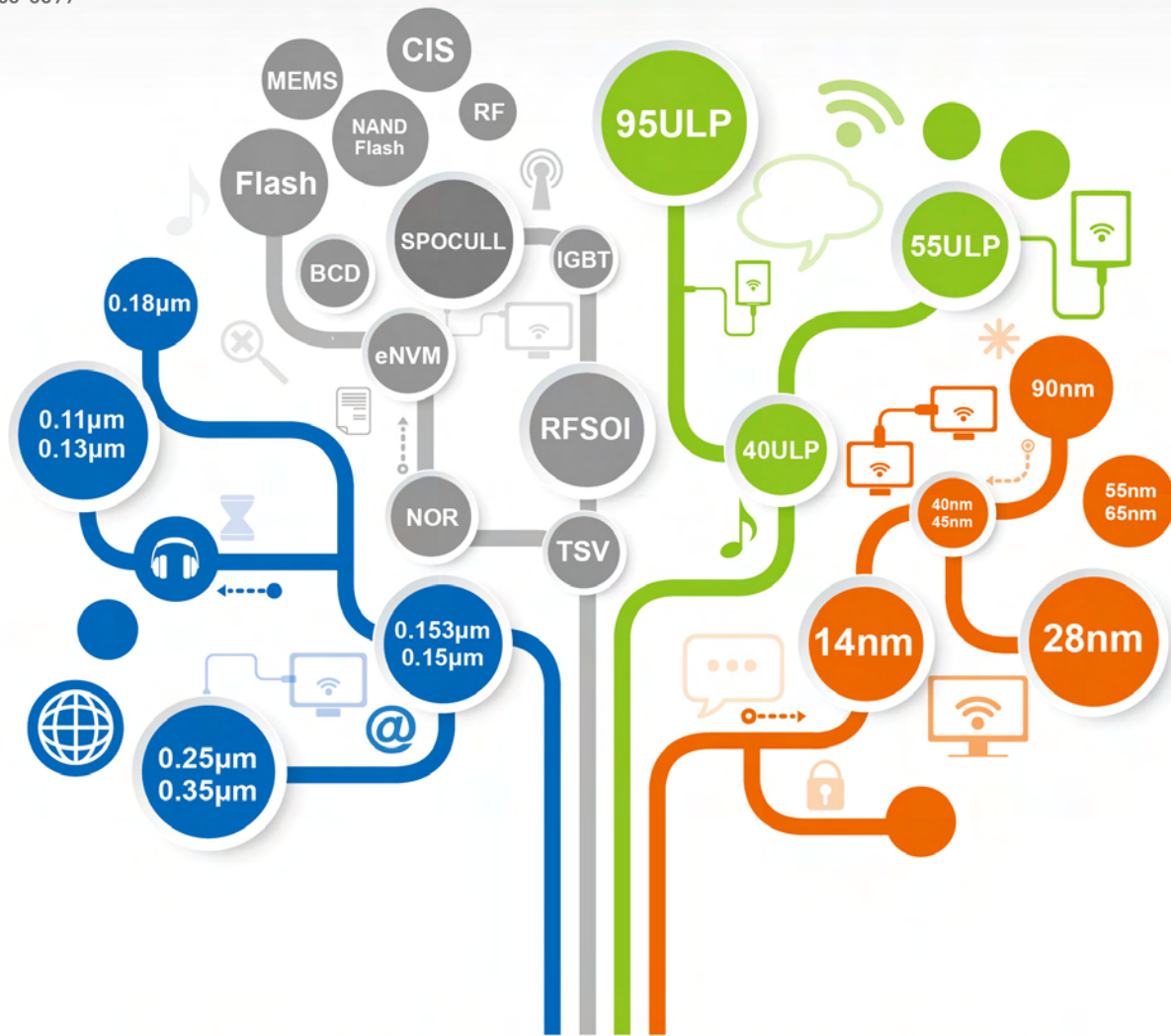
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