



南加州中華科工學會

Chinese-American Engineers and Scientists Association of Southern California

Since 1962 in USA



55th CESASC Anniversary Journal

2017: Building for the Future

April 15, 2017

*Annual Convention,
Scholarship Fundraiser,
Technical Symposium
Awards Gala*





Together

We Have the Power to Keep the Future Bright

Edison International is proud to sponsor
the Chinese-American Engineers and
Scientists Association of Southern California's
55th Annual Convention and Awards Gala





Since 1962

南加州中華科工學會

Chinese-American Engineers
and Scientists Association of
Southern California

CESASC
www.cesasc.org

WELCOME MESSAGE

From CESASC Chairman of the Board and the President 2016-2017

April 15, 2017

Dear Friends and Colleagues:

Welcome to the 55th CESASC Annual Convention at the beautiful Sheraton Universal Hotel, Universal City, CA. CESASC's annual convention provides a platform for the engineering and science industry to broaden its exposure and network both locally and internationally. This year our theme is "**Building for the Future.**"

Today's program features executives from City of LA, LA Metro, Caltrans, Abundy, Google, JPL, Zion Enterprise, Pickup Stick, Bill & Melinda Gates Foundation, and many more. In addition to the inspiring content-rich presentations, investors and recruiters will also be on site ready to connect. Hope you have your business plans and resumes ready to share.

This year we have received unprecedented number of outstanding applications for STEM, scholarships, and business innovation competitions. Our review committees had a very challenging task of choosing the winners. Additionally, we have selected Raymond Chan, Deputy Mayor of Los Angeles; Dr. Wilson Ho, Professor of Physics and Chemistry of UC-Irvine; Dr Lee-Lueng Fu, Project Scientist of NASA Jet Propulsion Laboratory; and Dr. Yinuo Li, Director, China Region of Bill & Melinda Gates Foundation as our prestigious achievement awardees as they have exemplified excellence in the engineering and science fields. Congratulations to all the winners and awardees.

Founded in 1962, CESASC is one of the largest and longest standing Chinese-American professional organizations in Southern California. CESASC's dedication in promoting engineering and science has inspired multiple generations in career advancement and business expansion. CESASC is committed to further this mission in the years to come.

We would like to thank our sponsors whose generosity made it possible to share this exciting day with all of you. We would also like to thank all the volunteers who have worked tirelessly to make this event successful year after year.

It has been a great honor and privilege to serve you. Please enjoy this wonderful day! See you next year.

Sincerely,

Yue Rong, Ph.D.
Chairman of the Board

Lan Saadatnejadi
President of CESASC



JUDY CHU, Ph.D.
27TH DISTRICT, CALIFORNIA

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THE JUDICIARY**

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Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE:

2423 Rayburn House Office Building
Washington, DC 20515
(202) 225-5464
(202) 225-5467 (Fax)

PASADENA DISTRICT OFFICE:

527 South Lake Avenue, Suite 106
Pasadena, CA 91101
(626) 304-0110

April 15, 2017

Dear Friends,

It is with great pleasure that I congratulate the Chinese-American Engineers and Scientists Association of Southern California for its celebration of the professional excellence of Chinese American engineers and scientists at the 55th Annual Convention – Building for the Future.



The Chinese-American Engineers and Scientists Association of Southern California has been positively impacting the fields of Science, Technology, Engineering, and Mathematics. The 55th Annual Convention – Building for the Future, with its focus on recognizing the leaders and top science and engineering professionals, is a platform to provide career and educational enhancement opportunities, technical exchange, and fellowship of community service. These individuals are making history, and through recognition and unrelenting support, the Chinese-American Engineers and Scientists Association of Southern California and the Science and Engineering community will continue to push for innovation and discovery.

I commend the 55th Annual Convention – Building the Future attendees, and would like to encourage the researchers to continue protecting the interests and rights of scientists and engineers through organizational efforts, as well as continuing to gain knowledge through global and local networking.

On behalf of the United States House of Representatives and the people of the 27th Congressional District, I offer my congratulations and best wishes for the continued success of the Chinese-American Engineers and Scientists Association of Southern California and our science and engineering leaders.

Sincerely,

JUDY CHU, Ph.D.

Member of Congress, 27th District

Congress of the United States
House of Representatives
Washington, DC 20515-0533

April 15, 2017



Dear Friends,

Please accept my warmest wishes and congratulations as the Chinese-American Engineers and Scientists Association of Southern California (CESASC) celebrates its 55th Annual Convention and Dinner Gala Awards Banquet.

I am delighted to join CESAC in honoring LA Deputy Mayor Raymond Chan, Dr. Yinuo Li, Dr. Wilson Ho, Dr. Lee-Lueng Fu and this year's winners of the STEM, Scholarship, and Business Innovation competitions. CESASC's annual convention brings together entrepreneurs with diverse backgrounds for the purpose reflected in this evening's theme, to 'Build for the Future.' Tonight's honorees embody CESASC's efforts over the last six decades to support entrepreneurship, leadership, and innovation in their respective fields.

Our community owes the Chinese-American Engineers and Scientists Association of Southern California and tonight's honorees a tremendous debt of gratitude for their tireless effort and hard work fostering community ties, promoting professional excellence and creating personal networks within the scientific and engineering fields.

Congratulations and best wishes for a wonderful event.

Sincerely,


Ted W. Lieu
Member of Congress



State of California

Certificate of Honor

Presented To

CESASC's 55th ANNUAL CONVENTION
April 15, 2017

On behalf of the State of California, I congratulate the Chinese-American Engineers and Scientists Association of Southern California on their remarkable contributions to the people of our great state. Since 1962, Southern California has been blessed with their technical conferences and workshops, establishing itself as the largest Chinese-American professional organization in the region. Their ability to provide faster and more organized efforts in global and local networking is a true depiction of the undeniable excellence endured by Chinese-American engineers and scientists.

I am proud to stand with CESASC on its 55th Anniversary Convention as we share knowledge and professional experiences with the top science and engineering professionals. I sincerely thank CESASC for their continued service to the community and wish them all the best in their future endeavors.



*THEREFORE, I have hereunto set
my hand and caused the Seal of the
State of California to be affixed.*

*Gavin Newsom
Lieutenant Governor*



BETTY T. YEE
California State Controller

April 15, 2017



Dear Friends:

Welcome to the 55th annual convention of the Chinese-American Engineers and Scientists Association of Southern California.

I applaud the important work of CESASC in promoting professional excellence and educational opportunities in the engineering and science-related industries. Thank you for your continued commitment to career development, technical information exchange, fellowship, and community service.

Congratulations as well to tonight's honorees for their dedication to building for the future.

I extend very best wishes for a memorable event and for continued success.

Sincerely,

Betty T. Yee



STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0049
(916) 319-2049
FAX (916) 319-2149

DISTRICT OFFICE
1255 Corporate Center Drive, Suite 306
Monterey Park, CA 91754
Tel: (323) 264-4949
Fax: (323) 264-4916



COMMITTEES
CHAIR: PRIVACY AND CONSUMER PROTECTION
APPROPRIATIONS
HOUSING AND COMMUNITY DEVELOPMENT
NATURAL RESOURCES
JUDICIARY

April 15, 2017

Chinese American Engineers and Scientists Association of Southern California
420 W Mission Rd
San Gabriel, CA 91776

Dear Friends,

I am pleased to extend my deepest congratulations to the Chinese American Engineers and Scientists Association of Southern California (CESASC) on the occasion of its 55th Annual Convention & Awards Banquet.



CESASC is one of the largest and most prominent Chinese-American professional organizations in Southern California, and is dedicated to promoting the interests, aspirations, and professional excellence of Chinese-American Engineers and Scientists. I especially commend CESASC and the Board of Directors for their longstanding commitment to fostering the growth of the Science, Technology, Engineering, & Mathematics (STEM) fields by providing services to many technologists in Southern California.

Your tremendous work has been recognized by such institutions as the Chinese American Museum (CAM) in 2011, when CESASC was honored as the recipient of the Excellence in Science and Engineering Leadership Award in CAM's 15th Annual History maker's Awards Ceremony.

I applaud and thank CESASC in furthering the fields of STEM and for its foresight in prioritizing the academic success of our youth through your Achievement Awards and Scholarships. I extend my sincere best wishes for a successful and productive event.

Warm Regards,

ED CHAU

EC:ah



ANTHONY RENDON

SPEAKER of the ASSEMBLY

Sixty-Third Assembly District

April 15, 2017

Chinese-American Engineers and Scientists Association of Southern California 55th Annual Convention Dinner Banquet

Dear Friends:

Since 1962, CESASC has been an outstanding resource for Chinese-American Engineers and Scientists, both in helping advance professional development and in attracting talented students into the fields of science and engineering.

Your convention theme this year, "Building for the Future," is most appropriate. California's future and our economic strength depend on rebuilding our infrastructure and continuing to be the leader in developing new technologies.

I know CESASC and its members will be at the forefront of both efforts.

Finally, as a Regent of the University of California and a Trustee of the California State University, I want to thank CESASC for your ongoing commitment to students. Your essay contests and scholarship programs are outstanding ways of building interest and excitement among the youth of Southern California.

Congratulations to all the award winners tonight and congratulations to CESASC on 55 outstanding years of success.

Sincerely,

ANTHONY RENDON
Assembly Member, 63rd District

AR:ds



BOARD OF SUPERVISORS COUNTY OF LOS ANGELES

KENNETH HAHN HALL OF ADMINISTRATION / LOS ANGELES, CALIFORNIA 90012

SHEILA KUEHL
SUPERVISOR, THIRD DISTRICT

April 15, 2017

Dear Friends:

It is a pleasure for me to welcome everyone in attendance tonight for the Dinner and Gala Awards Banquet for the Chinese-American Engineers and Scientists Association of Southern California's (CESASC) 55th Anniversary Annual Convention.

CESASC's annual convention provides a platform for entrepreneurs with diverse backgrounds to network locally and internationally with others in the engineering and science related industries. It is an important hub for engineers and scientists to develop entrepreneurship, leadership skills, and career advancement.

This year's theme, "Building for the Future," underscores the importance of building our future with an openness to innovation and sustainable practices. I hope that the ideas being discussed today by some of the great minds in science and engineering will bring about a better future for our region.

Congratulations to the Chinese-American Engineers and Scientists Association of Southern California for hosting this important event!

Sincerely,

Sheila Kuehl
Supervisor, Third District



MARK RIDLEY-THOMAS

Chairman of the Board

Supervisor, Second District, County of Los Angeles
500 W. Temple Street, Rm. 866 Kenneth Hahn Hall of Administration
Los Angeles, CA 90012



April 15, 2017

Chinese-American Engineers & Scientists Association of Southern California

Congratulations to the Chinese-American Engineers & Scientists Association of Southern California on the occasion of its annual convention.

For more than five decades, the Chinese-American Engineers & Scientists Association of Southern California has committed its efforts to enhancing opportunities for engineers and scientists. The association's mission to promote and propel businesses in the County of Los Angeles by hosting conferences for industry leaders to discuss innovative ideas and engage in dynamic dialogue is highly commended.

On behalf of the members of the Board of Supervisors and the more than 10 million people who reside in the County of Los Angeles, I am pleased to congratulate the honorees and extend my best wishes for continued success and a most memorable event.

With hope,

MARK RIDLEY-THOMAS
Chairman of the Board
Supervisor, Second District



BOARD OF SUPERVISORS COUNTY OF LOS ANGELES
856 Kenneth Hahn Hall of Administration
Los Angeles, California 90012



Dear Friends,

As the Los Angeles County Supervisor for the First District, it is my pleasure to congratulate the Chinese-American Engineers and Scientists Association of Southern California (CESASC) for their 55th Anniversary Annual Convention.

For 55 years, CESASC has provided a space for Chinese-American community members to expand their networks, gain technical and leadership skills, and advance in their careers. I applaud CESASC's support of Chinese-American engineers and scientists in their initiatives and interests through celebrating individuals for their achievements and helping members grow in community with one another as they aspire toward their career goals. I look forward to seeing CESASC continue to advocate for and broaden opportunities for their diverse membership.

Thank you to all those in attendance tonight – it is your support that makes CESASC's work possible.

Sincerely,

HILDA L. SOLIS
Chair of the Board
Supervisor, First District



2017 CESASC Convention Daytime Program
南加州中華科工學會第 55 屆年會科技研討會
11:30 am – 5:00 pm, April 15, 2017, Sheraton Universal Hotel
Building for the Future (建造未來)

TIME	TOPIC AND LOCATION		
11:30 AM	Check-in and Social Welcome & General Lunch Session (East Ballroom)		
12 Noon ~ 1:00 pm	Opening Remark by Charles Wu, Symposium Chair Keynote Speaker: <ul style="list-style-type: none">• Dr. Hao Zou, CEO, Abundy, <i>Artificial Intelligence in Financial Industry</i>		
1:00 ~ 1:15 pm	Networking Break w/Exhibitors (Studio 3C)		
	Studio 1 or 2	Studio 3	Studio 4
1:15 ~ 2:45 pm	<p style="text-align: center;">Technical Symposium</p> <p>Moderator: Charles Wu, Symposium Chair</p> <ul style="list-style-type: none">• Dr. Suming Chen, Google <i>Improving Personal Search with Machine Learning</i>• Dr. Yinuo Li, Gates Foundation <i>The Most Difficult Problem</i>• Mr. Henry Shu, Founder of SpeedyAI <i>Artificial Intelligence Demystified</i>• Dr. Jonathan Jiang, Aerosols and Clouds Group Supv, JPL <i>Impact of pollution on Hydropower Generation in California</i>	<p style="text-align: center;">Business Innovation</p> <p>Moderator: Xiwu Cao</p> <p>Team 1. Anti-fogery Services Based on IoT, GIS and Big-data Jiangong Chen, Li Fan, Ji Peng, Miao Jianming, Wang Lijie, Fu Chaojann</p> <p>Team 2. First Sight Xi Wang, Harry Xu, Mingbo Gong</p> <p>Team 3. Eater Zone Helen Hu, Angela Lao, Anna Zhang, Jonathan Kumamoto, Henry Chen</p> <p>Team 4. Only For Your Progress Yang Deng, Wenzun Guan, Xu Liu, Guang Li</p> <p>Team 5. eClaim: A Rapid Auto Insurance Claim Management System Equipped with the Artificial Intelligence Miki Li, Deen Ma, Nancy Xu, Yuri Jiang, Mark Wang, Canming Jiang, Eric Kingsbury, Sean Li</p>	<p style="text-align: center;">STEM</p> <p>Moderator: Yiu Man So "Future Technologies that help Human Lives"</p> <p>High School (9-12) Benjamin Liu, 1st Place <i>A Fully-Integrated Lab-on-a-Chip Device for Disease Diagnostics</i> Valerie H. Narumi, 2nd Place <i>Augmented Reality (AR) Aided Design for 3D Printed Prosthetics</i></p> <p>Jr. High School (6-8) Stanley Liu Jr. 1st Place, <i>Novel Biochip Devices for Capturing Tumor Cells</i> Major Yang, 3rd Place <i>IoT Smart Home Shield with Industrial Smartcare</i> *Rio Yonezawa, 3rd Place <i>Animal-Healthy-Assist Robot</i></p> <p>*Jr. High School (6-8) China Sponsored by Perceiver Inc.</p> <p>XiangYu Huang, 2nd Place <i>A new kind of fruit pH Indicator</i> Jiao Yutian, 3rd Place <i>Electrostatic adsorption principle based clean-ball</i></p> <p>* Live Oversea Video Conferencing</p> <p>Exhibits -Poster & Experiment</p>
2:45 ~ 3:00 pm	Networking Break w/Exhibitors		
3:00 ~ 4:15 pm	<p style="text-align: center;">Career and Leadership Development</p> <p>Co-host: AAPA</p> <p>Keynote: Charlie Zhang, Founder of Pickup Stix, Aseptic Solutions, and Zion Enterprises <i>Entrepreneurship and Career Development in the 21st Century</i></p> <p style="text-align: center;">Panel Discussion</p> <p>Moderator: Francis Cheung, AAPA</p> <ul style="list-style-type: none">• Jennifer Li, President, Novotech Nutraceuticals, Inc. <i>Women Entrepreneurship</i>• Professor Thomas Sy, Dept of Psychology, UC Riverside <i>Why Aren't There More Asian Americans Leadership Positions</i>• Mr. Ben Shih, Google <i>Current Hiring Trend in Technology Sector</i>		
4:15 ~ 5:00 pm	Press Conference (Studio 3)		



Technical Symposium Luncheon Keynote



Dr. Hao Zou is founder and CEO of Abundy Inc., Chair Professor at Tsinghua University and an expert in machine learning and quantitative finance. A graduate of Stanford University, he completed his PhD and MS in Electrical Engineering, MBA, and MA in Economics within three years. At just 30 years old, he is the youngest chair professor of Tsinghua University.

He was selected by the State Council of China as an "Eminent Young Overseas Chinese" under the age of 45 in 2015, and named to Forbes' "30 Under 30" finance list of "game changers under 30 transforming the world" in 2016, and World Economic Forum's Global Young Leaders list in 2017.

Career and Leadership Development Keynote, Co-Host: AAPA



Mr. Charlie Zhang is the founder of Zion Enterprises and a celebrated entrepreneur and success story. With only US \$ 20.00 dollars in his pocket, and unrelenting determination, Charlie created the food brand called Pick Up Stix.

Mr. Zhang executed his first Pick Up Stix with passion, hard work and deep insight to customer demands. Within a decade, Mr. Zhang had built an empire with more than 100 Pick Up Stix locations, and a commissary that streamlined the preparation of each menu item, ensuring that every restaurant would serve the freshest products available with quality and consistency. He sold his restaurant enterprise along with the distribution center to TGI Fridays on June 30, 2001 for \$50 million dollars. He then established Zion Enterprises, a real estate development company that has been involved in over 200-million dollars' worth of commercial, retail and residential projects in the Western United States. Revitalizing communities and adding value at every level are among Zion Enterprises' core tenets to this day. Not content to rest on his laurels, Charlie began his next entrepreneurial evolution in 2004, with Aseptic Solutions, a technologically advanced bottling process to extend the shelf life of premium organic beverages. The state-of-the-art aseptic beverage bottling company, Aseptic Solutions was sold to Glanbia Nutrition Inc. in 2012 for more than \$60 million.

Among his awards are, "Entrepreneur of the Year" by Ernst and Young and the "Spirit of Life" award from the City of Hope. In addition, he received the "Distinguished Business for Science and Technology" award, and "Beijing International Entrepreneur of the Year". He also serves on the advisory board for Chapman University, School of Business. Honored by the opportunity to give back he subsidized the rebuilding of elementary schools after a massive earthquake in Szechuan and most recently, funding the building of a series of elementary schools near Nanjing. Domestically he has helped to fund a handful of church buildings on both coasts of the US as well as provide sponsorship to student scholars and needy individuals through the Zion Charity Fund. Managing capital for the greater good occupies 100% of his passion and attention.

Technical Symposium Speakers



Dr. Suming J. Chen is currently an engineer at Google working on improving personal search ranking for Google Apps. He earned his Ph.D. at the University of California, Los Angeles in Computer Science with a focus in Artificial Intelligence, and his B.S. at University of California, Berkeley with a major of Electrical Engineering & Computer Sciences. His research interests include inference in graphical models, value of information, efficient decision-making, learning robust statistical models. He has worked in a variety of roles in the tech industry, ranging from research work at Apple to improve diagnostic capability to a full-stack engineer at a Y Combinator-backed startup. He is a board member at Fountain of Joy Prayer Church.



Dr. Jonathan H. Jiang is a Principal Scientist at NASA's Jet Propulsion Laboratory (JPL), California Institute of Technology (Caltech). He is also the director of JPL's Aerosol and Cloud Research Group, managing a team of 34 researchers. In addition, Dr. Jiang serves as an American Geophysical Union (AGU) Editor for AGU's journal of Earth and Space Science. Dr. Jiang is recognized internationally as a leading expert in satellite remote sensing. He has published 129 peer-reviewed articles in the fields of astrophysics, satellite remote sensing, pollution transport, clouds, water vapor, and their climate impacts. Dr. Jiang has been twice awarded the NASA Exceptional Achievement Medals in 2010 and in 2013 for his leadership and innovation in Earth atmospheric studies using NASA satellite observations.



Mr. Henry Shu obtained his B.S. from Caltech (GPA 4.0 with honors) and M.S. from Cornell University, both in electrical and computer engineering. Some of his achievements include Caltech Tregida Fellowship, Caltech Grant, and NSA Math Talent Search First Place. Mr. Shu has extensive research experience in machine learning, computer vision, and high-performance computing. He holds a sole-inventor patent at Facebook, has put experimental missions to Mars, and helped design large-scale applications in JPL, Microsoft Research, Oracle, Accenture, and NexTag. Recently, he has developed an on-device image recognition technology that is licensed out for millions of USD. He is currently building applications that will redefine what is possible with mobile AI computing. For leisure, Mr. Shu loves to go (圍棋) and swimming. He is a 4-dan go player, and he swims for 2000m every single day.



Dr. Yinuo Li has been an innovator in social sector through efforts on multiple fronts. Yinuo is the Director for Bill and Melinda Gates foundation's China Office, where she oversees a team that works with China's public, private, and nonprofit sectors to address key domestic and global health, development, and policy issues.

Yinuo joined the foundation in 2015 after a career at McKinsey & Co., where she was most recently a partner at the firm's office in Palo Alto, California. Her McKinsey career began in Los Angeles, California, in 2005. From 2008 to 2013, while based in McKinsey's Beijing office, Yinuo served as co-leader of the Healthcare Practice and as leader of the Social Sector and Global Public Health Practice. Her areas of expertise included health systems and health reform, global health, pharmaceutical and diagnostic products, digital healthcare, and health financing. Her clients included leading multinational and Chinese pharmaceutical and life science companies, institutional investors, trade associations, government agencies, nonprofit organizations, and academic institutions. Yinuo became a partner at McKinsey in 2011. In 2014, she moved to McKinsey's office in Palo Alto, where she focused on the Healthcare and Social Sector Practice. She is a sought-after speaker on topics ranging from industry perspectives to strategy, organization, talent recruitment and development, and women's leadership.

Yinuo has a B.S. in biology from Tsinghua University in Beijing and a Ph.D. in molecular biology from UCLA.



Career and Leadership Development, Panelists



Jennifer Li is the President and Co-Founder of Novotech Nutraceuticals, Inc., in Ventura, California, a company which specializes in manufacturing nutritional and functional food ingredients in the U.S. such as Omega-3 powder and 75 kinds of chelated minerals. Prior to Novotech, Jennifer had a 25-year government career with the City of Dallas, where she held various executive positions for 21 of those years, including serving as Director of the Budget and Research, Police Executive Assistant Director (equivalent to 3-star Executive Assistant Chief) for the Dallas Police Department (DPD), overseeing all the Support Services, Human Resources and Financial Management for the DPD's 4,000 police force, and serving as the head of International Business Development to brand "Dallas" globally. In 2008, after devoting three years in marketing and promoting international business to create jobs for Dallas' economic development, she retired from the City of Dallas to start her own business.

Jennifer is also the recipient of the prestigious Hua Guan Award (華冠獎) for the World's Top 10 Outstanding Chinese Women Entrepreneurs organized by the Global Federation of Chinese Business Women in 2016.

With over two decades of serving on more than 10 non-profit boards, she has been a great advocate for Asian Americans through her broad community involvement and also received more than 10 awards from her work and community services. Jennifer holds a BA in Economics, an MBA from Texas Woman's University and was a graduate of "Leadership Dallas".



Mr. Ben Shih is a Staffing Services Associate in Recruiting at Google, helping provide end-to-end training support for new Software Engineering interviewers. Additionally, he leads global efforts on culture in the Staffing Services department, creating a committee to strategize and act on employee concerns. Mr. Shih also is a Program Manager for New Hire Orientation for his department, splitting his time finding Temp candidates and designing classroom-style trainings and engagement initiatives for new hires. Mr. Shih studied Political Science at UC Berkeley and is a member of the California State Military Reserve.



Dr. Thomas Sy is an award-winning scholar, teacher and consultant. He is currently on the faculty of the Department of Psychology at the University of California where he teaches and conducts research on leadership and teams, with particular focus on leadership and followership schemas, emotions, and diversity.

His research has been published in a variety of outlets, including the Journal of Applied Psychology, Organizational Behavior and Human Decision Processes, Leadership Quarterly, Journal of Organizational Behavior, Journal of Vocational Behavior, as well appearing in popular media such as National Public Radio, London Times, Washington Post, and among others.

In addition to his research and teaching, Dr. Sy provides consulting, training, and coaching services to industry. He has served a variety of client organizations, including General Motors, Google, Los Angeles County, Northrop Grumman, Salvation Army, EDS, Ford, Southern California Edison, Waste Management, Johnson & Johnson, Boeing, IBM, General Electric, U.S. Army Research Institute, U.S. Army Corps of Engineers, and the United States Marine Corp Special Operations Command.

Dr. Sy completed his PhD in Organizational Psychology from the University of Michigan. He was formerly an advisor with a top-tier global management consultancy, specializing in corporate strategy and operations. Dr. Sy has also served in the U.S. Army Special Forces (Green Beret).



2017 CESASC Convention Dinner Gala & Awards Presentation

南加州中華科工學會第 55 屆年會晚宴

5:30 pm – 9:00 pm, April 15, 2017, Sheraton Universal Hotel

Building for the Future (建造未來)

5:30 pm	Check-in and Social	
6:00 pm	Begin Banquet	MC: Mr. Mike Eng
6:15 pm	Welcome Remarks by CESASC President	Ms. Lan Saadatnejadi
6:20 pm	Remarks by Convention Chair	Ms. Jill Long
6:25 pm	Remarks by AAPA President	Mr. Francis Cheung
6:30 pm	Remarks by Congresswoman (Introduced by Dr. Yue Rong, Board Chair)	Congresswoman Judy Chu
6:35 pm	Presentation of Certificate from Supervisor Hilda Solis	Mr. Lawrence Shih
6:37 pm	Presentation of Certificate from Supervisor Kathryn Barger	Mr. Jimmy Wu
6:40 pm	Keynote Speech (Introduced by Dr. Dankai Liu) “Curiosity Rover on Mars: Science Highlights”	Mr. James Erickson
7:10 pm	Dinner and Student Award Presentations	
	<u>2017 CESASC Student STEM Essay Awards: (Presented by Ms. Daphne Ng of SCE)</u>	Mr. Yiu Man So
	● Group 1 (Grade 6~8): Stanley Liu Jr., Major Yang, Rio Yonezawa	
	● Group 2 (Grade 6~8 China, Sponsored by Perceiver Inc.): XiangYu Huang, Jiao Yutian	
	● Group 3 (Grade 9~12): Benjamin Liu, Valerie H. Narumi	
	● Honorable Mention	
	<u>2017 CESASC Scholarship Awards: (Presented by Mr. Joe Reed of Balfour Beatty)</u>	Dr. Peter Zhang
	Mo Chen 陳默, Siteng Fan 范斯騰, Danni Li 李丹妮, Ping Keng Lu 呂秉耕, Tawny Tsang 曾思蕙, Jianzhi Wu 午劍智, Guodong Xie 解國棟, Alice Zhai 翟睿琳	
	<u>2017 CESASC Business Innovation Competition Awards</u>	Dr. Xiwu Cao
7:50 pm	2017 CESASC Achievement Award Presentations	Dr. Hui Su
	● Dr. Yinuo Li, Bill and Melinda Gates Foundation	Dr. Liping Yan
	● Dr. Wilson Ho, UCI	Ms. Cynthia Guidry, LAWA Deputy Exec. Dir. - Planning & Development
	● Dr. Lee-Lueng Fu, JPL	Dr. Joshua Schank, Metro Chief Innovative Officer
8:05 pm	2017 Distinguished Achievement Award Presentation (Introduced by Mr. Joel Jacinto, LA Commissioner of Public Works)	Dr. Yue Rong
	● Mr. Raymond Chan, LA Deputy Mayor of Economic Development	
8:20 pm	2017/18 CESASC Board Installation	Mayor Samuel Kang, City of Duarte
8:30 pm	Certification Presentation to Retiring Board Members	Dr. Yue Rong
	● Dr. Xiwu Cao	
	● Dr. Peter Zhang	
8:35 pm	Musical Performance - Chamber Ensemble (Introduced by Mr. James Lin)	
8:45 pm	2017/18 CESASC President Speech	Ms. Dongmei Huang
8:55 pm	Closing Remarks	Ms. Lan Saadatnejadi

Floor Manager: Lia Andika (AAPA) & Dankai Liu



2017 CESASC Achievement Award Recipient



Raymond S. Chan (陳紹樺), C.E., S.E.
Deputy Mayor, Economic Development
Mayor's Office, City Of Los Angeles

Mr. Raymond Chan is a licensed Structural Engineer, Civil Engineer, Building Contractor, and Real Estate Broker. Prior to his appointment as the Deputy Mayor, Mr. Chan served as General Manager of the Los Angeles Department of Building and Safety (LADBS). Mr. Chan initiated and implemented more than 70 enhancement programs at LADBS, 20 of which have received a Productivity Improvement Award from the City's Quality and Productivity Commission and received 3 Mayor's Civic Innovative Awards.

Also, he was selected as the "2013 Building Official of the Year," by the California Building Official Association.

His innovative and collaborative leadership accomplishments led to his appointment as Deputy Mayor of Economic Development. As Deputy Mayor, Mr. Chan oversees the following City Departments: Los Angeles World Airports, Port of Los Angeles, Los Angeles Department of Building and Safety, Los Angeles Department of City Planning, Convention & Tourism Development, and Economic & Workforce Development Department.

In addition, Mr. Chan directs the following MOED Teams:

- International Trade Team to create new market opportunities abroad for LA companies to export their products and technologies, attract and facilitate foreign investment, and promote tourism.
 - Outreach to foreign investments through consulates
 - Mayor Garcetti's Export Program
 - Attract and educate companies to export
 - Find global markets for L.A. goods, technologies, & services
 - Conduct trade tours to expand global market
- Business Development Team to recruit and expand key legacy and emerging industries, facilitate relationship building across companies and industries, and help guide them in navigating City Hall.
 - Establish Web-Based Media Production policy
 - Establish Manufacturing Advisory Council
 - Host L.A. City's largest Tech Job fair
 - Support development of Biotech hub in East LA
- Small & Minority Business Team to attract and help start-up small & minority businesses by reaching out to underserved areas, improving the performance of Business Source Centers, and expanding contract opportunities for business.
 - Strengthen Outreach to Underserved Communities to facilitate business development.
 - Improve performance of Business Source Centers
 - Establish a Small Business Liaison Case Management Program to facilitate permitting and approval process.
 - Coordinate capital resources
- Planning & Real Estate Development Team to plan for and build an economically vibrant future through improved services and partnerships in order to attract, recruit, and deliver quality development for the City of Los Angeles.
 - Recruit & facilitate major development projects
 - Streamline California Environmental Quality Act (CEQA) and Site Plan Review
 - Implement Parallel Development Process among all development services departments
 - Implement development services enhancements

2017 CESASC Achievement Award Recipient



Lee-Lueng Fu (傅立倫), Ph.D.
JPL Fellow and Senior Research Scientist
Jet Propulsion Laboratory
California Institute of Technology

Dr. Lee-Lueng Fu is a JPL Fellow (the highest technical position of JPL) and Senior Research Scientist (the highest research position of JPL) at the Jet Propulsion Laboratory (JPL), California Institute of Technology. He started his career as a Member of the Technical Staff at JPL in 1980. His early work was focused on the oceanographic applications of synthetic aperture radar (SAR) with the publication of a comprehensive atlas documenting the first SAR images of the

world's oceans produced by the SAR onboard Seasat, the first research satellite dedicated to studying Earth's oceans.

He started using radar altimeter onboard Seasat for studying the ocean circulation in 1983. He published a series of seminal papers on ocean circulation from radar altimetry in the 1980s. This line of work led to his long-term leadership in and contributions to satellite altimetry missions. He has been the Project Scientist for JPL's satellite altimetry missions in collaboration with the French Space Agency, CNES, for oceanographic, climatic, and geodetic applications since 1988, including TOPEX/Poseidon (1992 - 2005), Jason-1 (2001 - 2013), and Jason-2 (2008 - present).

Dr. Fu was instrumental in the establishment of the international Ocean Surface Topography Science Team (OSTST) for scientific research and programmatic development of a highly complementary set of satellite altimetry missions involving multiple international partners. He is currently the Project Scientist for the US/France joint Surface Water and Ocean Topography Mission (SWOT), which is being developed as the next generation altimetry mission for measuring water elevation on Earth for applications to oceanography and hydrology. SWOT also has contributions from the Canadian Space Agency and the UK Space Agency.

Dr. Fu has published over 100 articles in peer-reviewed scientific literature. His scientific and technical achievements have led to the election to the membership of the U.S. National Academy of Engineering, Fellow of the American Geophysical Union and the American Meteorological Society. He was awarded the Verner E. Suomi Award of the American Meteorological Society (2002) and the COSPAR International Cooperation Medal (2010) for his leadership in the development and continuation of satellite altimetry missions with great impact to oceanography, geodesy, and climatology.



2017 CESASC Achievement Award Recipient



Wilson Ho (何文程), Ph.D. **Donald Bren Professor of Physics and of Chemistry** **University of California, Irvine**

Wilson Ho's early childhood was spent in Changhua, a city near the middle of Taiwan, where he received his primary school education. Both his parents were middle school teachers. He recalled having a great deal of freedom roaming the countryside, experimenting with growing tropical vegetables and fruit trees, raising chickens, and being drilled with skills in solving mathematical problems. These early experiences instilled in him a sense of inquiry and experimentation that became important in shaping his later career.

In high school, Wilson Ho singled out Mr. Peter Dahl as having made the most impact on him through the Advanced Placement Chemistry class and thought that he knew a great deal about chemistry. Wilson Ho received his B.S. and M.S. degrees in chemistry from the California Institute of Technology in 1975. He decided to pursue research in surface science with Prof. E. Ward Plummer at the University of Pennsylvania and obtained his Ph.D. in physics in 1979. He spent a short year as a member of the technical staff at the AT&T Bell Laboratories and was on the faculty at Cornell University prior to joining the University of California, Irvine in 2000. His research has been guided by the development of new instrumentation and he has held to the belief that new discoveries can be made with tools that no one else has. He constructed an electron energy loss spectrometer that allowed him to measure angle-resolved scattering to reveal non-dipole active molecular vibrations. His group constructed multichannel electron detectors and femtosecond lasers to follow changes in molecules and their internal states. In 1998, his research group used homemade low temperature scanning tunneling microscopes (STM) in ultrahigh vacuum to accomplish vibrational spectroscopy and microscopy of a single chemical bond. In 2014, his group invented the inelastic tunneling probe (itProbe) to image molecular skeletal structures that have long been used to depict molecules. Most recently, Dr. Ho's group combined a femtosecond laser with a low temperature STM and succeeded in probing single molecules locally with femtosecond time resolution, thus reaching the space-time limit in nanoscience.

Dr. Ho has published over 270 papers and some of the results have appeared in textbooks. His work has been recognized by Fellowships in the American Physical Society and the American Association for the Advancement of Science, the Bonner Chemistry Prize, the Alexander von Humboldt Research Award for Senior US Scientists, the Medard Welch Award of the American Vacuum Society, the Irving Langmuir Prize of the American Physical Society, Membership in the U.S. National Academy of Sciences, and Academician of the Academia Sinica, Republic of China. Dr. Ho is particularly fond of giving lectures to high school students and teachers at the Chien-Shiung Wu Science Camp in Taiwan and at the Asian Science Camp.

2017 CESASC Young Achievement Award Recipient



Yinuo Li (李一諾), Ph.D.
Director, China Country Office
Bill & Melinda Gates Foundation
Founder, ETU School

Yinuo Li has been an innovator in social sector through efforts on multiple fronts.

Yinuo is the Director for Bill and Melinda Gates foundation's China Office, where she oversees a team that works with China's public, private, and nonprofit sectors to address key domestic and global health, development, and policy issues.

Yinuo joined the foundation in 2015 after a career at McKinsey & Co., where she was most recently a partner at the firm's office in Palo Alto, California. Her McKinsey career began in Los Angeles, California, in 2005. From 2008 to 2013, while based in McKinsey's Beijing office, Yinuo served as co-leader of the Healthcare Practice and as leader of the Social Sector and Global Public Health Practice. Her areas of expertise included health systems and health reform, global health, pharmaceutical and diagnostic products, digital healthcare, and health financing. Her clients included leading multinational and Chinese pharmaceutical and life science companies, institutional investors, trade associations, government agencies, nonprofit organizations, and academic institutions. Yinuo became a partner at McKinsey in 2011. In 2014, she moved to McKinsey's office in Palo Alto, where she focused on the Healthcare and Social Sector Practice. She is a sought-after speaker on topics ranging from industry perspectives to strategy, organization, talent recruitment and development, and women's leadership.

Yinuo is a mother of 3 young children. In her personal capacity, she and her husband co-founded the WeChat public account "nulishehui 奴隶社会" in 2014, which became one of the most followed accounts for readers who care about social and global issues, as well as career planning and work-life balance. The account currently has 550K followers. Two books have been published based on content from this account and it has enabled ~10 other books to be published, covering a wide range of topics from science promotion, medical education, to career planning, parenting, and novels.

In 2016, Yinuo co-founded ETU School, an effort to innovate the K-12 education by breaking down barriers in the education ecosystem. ETU's efforts include building teacher professional development system leveraging experience from private sector, involving social communities as resources for schools through online lifelong learning community platforms, and building IT platform to enable personalized education in schools. ETU aims to cultivate "Truly Chinese Truly Global" graduates who have strong intrinsic motivations to drive positive changes in today and tomorrow's connected world. It also aims to promote education equality through its platforms. The ETU school effort has been widely covered by leading media outlets in China, including Caixin, China Youth Daily and Xinhua News.

Yinuo serves on the Academic Advisory Board for the Schwarzman Scholarship, and the final selection committee of Rhodes Scholarship in China. Yinuo was selected as World Economic Forum's Young Global Leader in 2016, and received Caixin's Outstanding Women Award.

Yinuo has a B.S. in biology from Tsinghua University in Beijing and a Ph.D. in molecular biology from UCLA.



2017 CESASC Convention Musical Performance

Xi Yang Yang 喜洋洋 (Jubilant)

An upbeat music score often played at festivals and celebrations. It has become a typical representation of Chinese music. It was composed in the 1950s based on two Shanxi folk songs.

Pinghu Qiuyue 平湖秋月 (Calm Lake under the Autumn Moon)

A popular Cantonese melody composed in the 1920s by Cantonese music master Lui Wencheng. This piece portrays a scene of a beautiful and tranquil autumn night.

Bu Bu Gao 步步高 (Higher with Every Step)

A popular Cantonese melody composed in the 1920's. The title implies a wish for continued success and the melody depicts a joyful and buoyant mood. Also the title Bu Bu Gao symbolizes a propitious omen.

Qian Liu 刘倩 – Flutist 笛子, Concert Master

Di Chen 陈笛* – Dulcimer 扬琴

Kyle Dombroski*- Percussion 鼓

Yufei Li 李昱霏* – Zither 古筝

Zhengxian Qu 曲正显*- Bamboo Flute 笛子

Xinlei Tong 佟鑫磊 *– Erhu 二胡

Yu Xie 谢瑜 *– Pipa 琵琶

CESASC wishes to thank Ms. Jill Long, the 2017 CESASC Convention Committee Chair and Ms. Qian Liu for producing this musical performance program

CESASC also wishes to thank the UCLA Music of China Ensemble for its support to the 2017 CESASC Convention

***Members of the UCLA Music of China Ensemble**

UCLA Music of China ensemble has sixty years of history, became an official course at UCLA in 1964. Since 1997, it has been directed by Prof. Chi LI, who is a highly accomplished performing artist on the Erhu. The ensemble consists of 50 to 100 members of UCLA students. It is in great demand to perform for schools, community festivals, and events at major southern California institutions such as the Getty Center and The Huntington.



Qian Liu 刘倩

Qian is an accomplished exponent of Bamboo Flutes who graduated from the China Conservatory. Qian has performed throughout Asia, Europe, Africa, and at LA Channel 18.

Currently, she is enrolled in UCLA, for MS in Music Management.



Di Chen 陈笛

Di started learning the Yangqin at the age of four. She passed the highest level of national examination for the instrument and was awarded the first prize in a Competition in China and has performed in concerts throughout southern California.

She is currently enrolled in environmental sciences at UCLA, and minoring in environmental health.



Kyle Dombroski

Kyle began playing violin at age 5. He later committed to percussion and began formal studies at Eastern Illinois University with Dr. Jamie V. Ryan.

He is currently a Masters percussion student at UCLA. He performs with several orchestras, including the UCLA Philharmonia, UCLA Percussion Ensemble, FLUX, and the Hooligan Theatre Company. Kyle teaches percussion at Pluralistic School One elementary school and private drum lessons.



Yufei Li 李昱霏

Yufei graduated from Guangzhou Xinghai Conservatory of Music. She has received multiple awards by winning in Chinese traditional music performance competitions, in China and internationally. Her students have also won many awards in competitions.

Currently, she is studying Music Arrangement. in University of Southern California.



Zhengxian Qu 曲正显

Zhengxian is a graduate of University of Science and Technology of China (USTC) and a self-taught bamboo flute player of National Music Orchestra of USTC. With 笛子 and 喇子, he has performed at concerts such as the Spring Festival of World Music and Jazz.

Currently, he is pursuing his Ph. D in Mechanical Engineering at UCLA.



Xinlei Tong (佟鑫磊)

Xinlei began playing 二胡 when he was 7 years old and has passed the highest level of the instrument examination and performed for Zhejiang University and has performed in several concerts including the 2016 Spring Festival of World Music and Jazz.

Currently, he is pursuing an MS degree in Electrical Engineering at UCLA, focusing on integrated circuit design.



Yu Xie 谢瑜

Yu is currently a third-year PhD student at UCLA, majoring in Materials Science and Engineering. She passed the highest level of national examination for the instrument at the age of 12 and has performed in numerous concerts and community events in southern California.



CESASC Banquet Gala Program Master of Ceremony



Mike Eng was elected in March 2013 to the Board of trustees of the Los Angeles Community College District and is the Board's immediate past Vice President. He is the current Chair of the Board's Facilities, Master Planning & Oversight Committee and a member of the Board's Legislative & Public Affairs Committee. He recently initiated the Board's comprehensive Needs Assessment Survey to determine how the District should address student homelessness, hunger/food insecurity, job placement, mental health and transportation needs.

He initiated the District's campus-wide efforts to sign up students, faculty, staff and administrators under the federal Affordable Care Act; helped lead efforts to secure the award of the \$15 million California Career Pathways Grant to the District; and helped create and serve on Board's ad hoc committee on Adult Education; and committee on International Students and recently helped initiate the District's first Asian, Pacific Islander Advisory Committee.

Mike previously served six years as a California Assemblyman during which time he chaired three of the Legislature's critical Assembly policy committees: Transportation, Banking & Finance, and Business & Professions & Consumer Protection and, was a member of the Assembly Education Committee for three terms. He also served on the Assembly Committees on Health; Housing & Community Development; Revenue & Taxation; and chaired the Assembly Select Committee on Hate Crimes.

During his time in the legislature he authored: California's Homeowner Bill of Rights to address the mortgage foreclosure crisis; California's Human Right to Water Law; California's comprehensive overhaul of the smog check process resulting in a removal of 70 tons of pollutants daily; Legislation to keep students safe from bullying as part of the State mandated school safety plan; Budget solutions to back fill the loss of funding for community colleges; Legislation to ensure long-term mass transit funding; and Groundwater Cleanup solutions in the San Gabriel Valley. He received numerous awards as "Legislator of the Year" by his many constituents.

Prior to his time in the legislature, Mike served as Mayor and Councilman for the City of Monterey Park. He served on the City Library Board of Trustees for ten years and was appointed by then-Governor Gray Davis to the State Acupuncture Board serving as Vice-Chair and head of the Enforcement committee.

Mike Eng has taught at Los Angeles Trade-Technical College, UCLA, and University of the West. He earned his Law Degree at UCLA after earning his Bachelor's and Master's Degrees at the University of Hawaii. Mike resides in the San Gabriel Valley with his wife U.S. Congresswoman Judy Chu.



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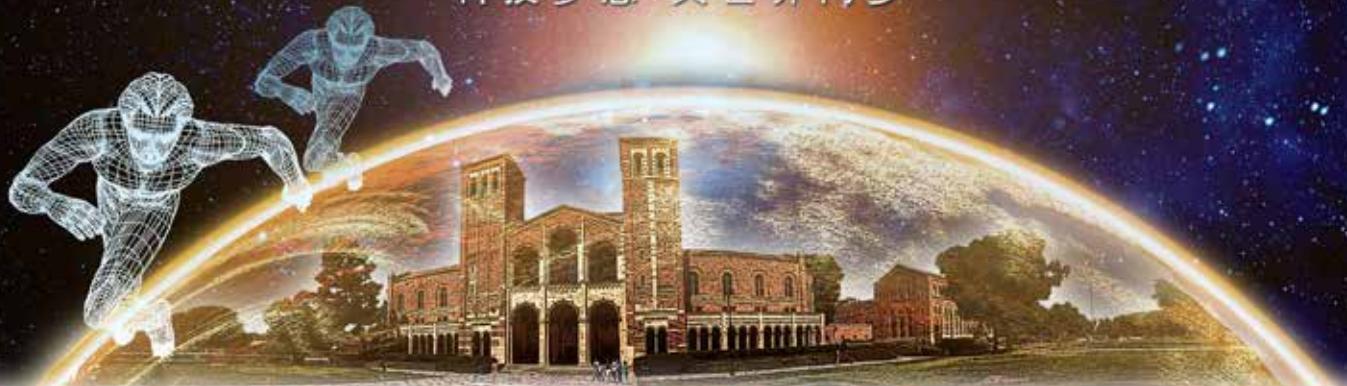
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廣告



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“To our friends and colleagues at CESASC, we wish you continued success in this year and all the years to come. We are proud to support the Scholarship Awards and wish to congratulate this year’s CESASC Achievement Awards recipients Mr. Raymond Chan, Dr. Lee-Lueng Fu, Dr. Wilson Ho and Dr. Yinuo Li”



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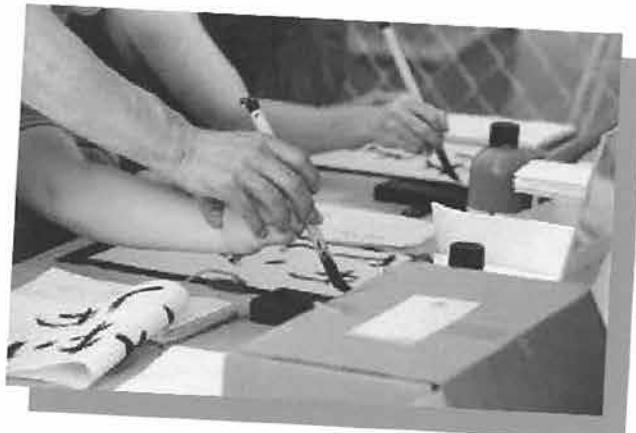
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科技与生活谈话节目

科技与生活谈话节目，在美国加州洛杉矶由金华之声每个星期六下午三时到四时定期播出。金华之声是使用特定收音机或是由網路都可收聽 (www.usachineseradio.com)。在去年 (2016) 底，這個節目開始存放在亞洲的雲端網路上以便亞洲聽眾方便收聽 (<http://www.ximalaya.com/65089281/>)。

本節目主持人之一劉登凱博士任職於美國太空總署噴射動力實驗室。曾參與各項美國太空探險計劃。科技与生活製作團隊除了登凱之外還包括了張夢雯，楊雪和黃心怡。他們均畢業於南加大的高材生，熱愛廣播，傳播科技文化。

科技与生活節目主要是要透過廣播，訪問世界華人資深科技專家，用通俗的語言將科技的知識傳播給聽眾。希望望能對科技多瞭解而帶來生活方便。

我們請到的專家可都是該項知識專家中的專家，有十分的權威性，通常都是直接參與計劃有直接的經驗。這就為什麼我們能夠保持高水準的主要原因。我們感謝所有的嘉賓，在他們非常煩忙的工作之餘還來和我們講解有趣又有用的科技知識。

同時感謝我們的團隊，除了自身工作之外，還不斷無私做公益將這個節目做的更好。我們也同時感謝南加州科工會的伙伴相伴，支持和鼓勵。尤其會員們都是一時之選，無私奉獻推廣科技的普及化，令人感動及敬佩。我們也感謝金華之聲的相伴節目才能順利進行。

我們非常希望大家能給我們指導和鼓勵，讓我們繼續往前走。

劉登凱
張夢雯
楊雪
黃心怡

敬上



Congratulations on CESASC's 55th Convention

We thank
Mr. Raymond Chan
for his informative keynote speech and his inspiration
to all CESASC members and friends.

We congratulate
Dr. Lee-Lueng Fu & Dr. Wilson Ho
for their extraordinary contribution to science & technology.

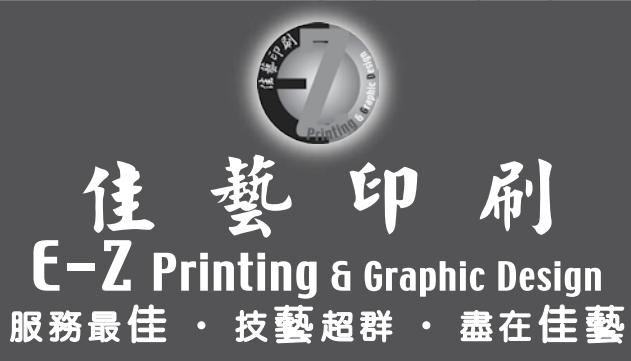
We congratulate
Dr. Yinuo Li
for her exceptional leadership in philanthropic pursuits.

CESASC Founding President
Henry and Lois Chi

SQUIRE
PATTON BOGGS

Congratulations to the esteemed
honorees of the 55th Annual
CESASC Convention & Awards.

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Congratulations and Best Wishes

To the Success of CESASC
55th Annual Convention

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CESASC Scholarship Foundation

Annually, the CESASC Scholarship Foundation funds the CESASC scholarship program to encourage students to pursue science and engineering, including medicine and economics.

Endowments

Mrs. Hsu Hwa Chao Memorial Scholarships

Lois and Henry Chi Scholarships

Prof. Yung-Ho Chien Memorial Scholarships

Mrs. Edna and Dr. Yu-Shan Han Memorial Scholarships

General Shann Tzyy Kao Memorial Scholarships

Dr. Jiin-Jen and Mrs. Sage Lee Scholarships

Tsai-Sun and Cho-Seng Chien Lee Memorial Scholarships

The Anna and John J. Sie Foundation Scholarships

Grace Yu Memorial Scholarships

Prof. June Chien Yu-Tsao Yu Memorial Scholarships

Major Contributors (2016-2017 to date)

Henry and Lois Chi

Shan and Sanne Lee

CESASC Scholarship Foundation is a federal 501(c)(3) non-profit corporation. We welcome all donations and endowments, which are tax deductible to the extent allowed by law. Please make checks payable to "CESASC Scholarship Foundation" and send to M. Kwok, 5474 West 76th Street, Los Angeles, CA 90045-3208. Further information may be obtained from Eastwood Im, president, or Munson Kwok, treasurer of CESASC Scholarship Foundation.



2017 CESASC Scholarship Recipients



Mo Chen 陈默

Ph.D. student, University of Southern California

Graduated from Peking University with a Master's degree in Environmental Science. His research interests lie in the intersection of energy sector, urban heat island, and the environment. The goal is to find a sustainable energy path to a better environment.

Jiin and Sage Lee Scholarship



Siteng Fan 范斯腾

Ph.D. student, Planetary Science, Caltech

Received bachelor's degrees in Space Science and Technology from Peking University. In Caltech he developed research interests in planetary atmospheres of Titan and Pluto as well as planetary orbital dynamics of early solar system.

CESASC Scholarship Foundation Scholarship



Danni Li 李丹妮

Master student, Communication, University of Southern California

Undertaking online cancer news research in the field of health communication. The research focuses mainly on the impact of search engines and algorithms on the health news information Internet users receive.

The Anna and John J. Sie Foundation Scholarship



Ping Keng Lu 呂秉耕

Ph.D. student, Electrical Engineering, UCLA

Received B.S. and M.S. in Electrical Engineering from National Chiao Tung University, Taiwan. Currently working towards the development of high power integrated terahertz emitters, which will greatly impact various fields including chemical identification, material characterization, biological sensing and medical imaging.

CESASC Scholarship Foundation Scholarship

2017 CESASC Scholarship Recipients



Tawny Tsang 曾思菀

Ph.D. student, Psychology, UCLA

Uses neuroimaging and eye-tracking tools to investigate early markers of autism in infants. Research aims to improve the understanding of how autism develops and the risk factors associated with atypical developmental outcomes, with the implication for early detection of autism and development of optimal intervention strategies.

Mrs Edna and Dr. Yu Shan Han Memorial Scholarship



Jianzhi Wu 午劍智

Ph.D. student, Electrical and Computer Engineering, UCSD

Received M.S. degree from the University of Pennsylvania in 2012.

Expertise in semiconductor device physics, nanofabrication and characterization specializing in advanced silicon and non-silicon based devices for ultra-low-power logic and microwave applications.

CESASC Scholarship Foundation Scholarship



Guodong Xie 解国栋

Ph.D. student, University of Southern California

Received Bachelor's degree from Beijing University of Posts and

Telecommunications and Master's degree from Peking University.

Now research focused on optical communications. A student member of IEEE, OSA, and SPIE.

CESASC Scholarship Foundation Scholarship



Alice Zhai 翟睿琳

Sophomore, Caltech

Pursuing a double major in Applied and Computational Mathematics and Business, Economics, and Management. Constructed a hurricane economic loss model using hurricane wind speed and storm size as predictors. Hopes to implement quantitative abilities to the business and financial world.

Edison International Scholarship



2017 Business Innovation Competition Finalists



Team 1: Anti-fogery Services Based on IoT, GIS and Big-data

Jiangong Chen, Li Fan, Ji Peng, Miao Jianming, Wang Lijie, Fu Chaojiann

This team is well balanced in terms of combining of old, middle-aged and young engineers, who can not only focus on the most important aim, but also march forward rapidly with full of enthusiasm. Jiangong Chen, the leader of this project, is a senior expert at Internet industry research and data analysis in China. He had served in CNNIC, the most authoritative institute of internet research in China, for a long period of time. As a leading figure in Internet industry research, he had presided over the editing of 'Statistical Report on Internet Development in China' many a time.

Team 2: First Sight

Xi Wang, Harry Xu, Mingbo Gong

The team members met in a Los Angeles data science meetup session a year ago. Throughout the year, they have had many discussions, from solving different data science problems to the future of technology. But it took them a while to find a common interest in social media data analysis, and formed the team First Sight.



Team 3: Eater Zone

Helen Hu, Angela Lao, Anna Zhang, Jonathan Kumamoto, Henry Chen

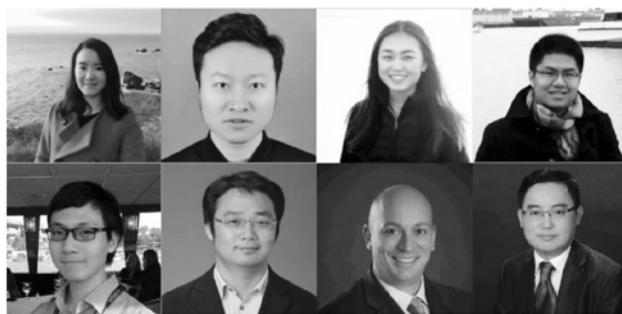
Eater Zone is formed by a diverse group of UCI undergraduates who consider this business as the ultimate station for food cravers. The Eater Zone team strongly believes that college students deserve better food options, and we look forward to serve the college community with authentic, home taste. Due to limited food choices on campus and homesick often felt by being away from home, we are hoping to offer college students a taste of home by bringing authentic, popular, homemade style cuisines of different countries on campus.



Team 4. Only For Your Progress

Yang Deng, Wexun Guan, Xu Liu, Guang Li

Yang Deng is the first year master student major in Transportation Engineering at the University of Southern California. He is the Founder of "Only For Your Progress" and the "Y-D Scholarship." He is the "New Social Hierarchy Personage" of the United Front Work Department of CPC Central Committee in Inner Mongolia, and one of the "1000 Environment-Friendly Youth Ambassadors Action" in Shaanxi Province.



Team 5. eClaim: A Rapid Auto Insurance Claim Management System Equipped with the Artificial Intelligence

Miki Li, Deen Ma, Nancy Xu, Yuri Jiang, Mark Wang, Canming Jiang, Eric Kingsbury, Sean Li

eClaim team is committed to change the automobile insurance industry by introducing the newest artificial intelligence technology. Our team consists of 8 members, who are experts in economics, computer engineering, accounting & finance, mathematics, physics, mechanical engineering and political science. Each member brings the enthusiasm, expertise, diversity of thought and experience required to make things more efficiently, effectively and impactful!

2017 Business Innovation Panel of Judges

	Liping Yan, Ph.D. Dr. Liping Yan is a Technical Specialist in Los Angeles Department of Water and Power. He also serves as a Chief Consultant for Southwest Geotech, Inc. and a Guest Professor for Southwest Jiaotong University. Dr. Yan is a vice president of International Association of Chinese Geotechnical Engineers and a member of Earthquake Engineering and Soil Dynamics Committee, Geo-Institute, ASCE. He is a former president of Chinese-American Engineers and Scientists Association of Southern California.
	Yutao He, Ph.D. Dr. Yutao He is a Senior Research Technologist and Group Lead at NASA/Jet Propulsion Laboratory (JPL) leading technology development in innovative avionics systems for future space exploration missions. Dr. He is an adjunct faculty member at UCLA and CSU-LA, and an Executive-in-Residence of College of ECST at CSU-LA, teaching graduate/undergraduate courses in Computer Science and Electrical Engineering.
	Wensheng Zhou, Ph.D. Managing Director of SIP-UCLA Institute for Technology Advancement (SIP-UCLA ITA). Dr. Zhou is the founding member and managing director of SIP-UCLA ITA, which hosts a XLAB incubator in Suzhou for start-ups since June 2014. The incubator has helped more than 150 projects to win funds from various VCs and government funding agencies.
	Yuxiang Wang President of Beijing Piesat Information Technology Co. Ltd. He received his B.S. from East China Normal University, M.S. from Institute of Geography, Chinese Academy of Sciences, and Ph.D. from Institute of Remote Sensing Applications, Chinese Academy of Sciences. Before he founded Beijing Piesat Information Technology Co., Ltd, he worked as Technology Director in the Founder Group in Beijing.
	Zhan, Ying (Jessie Zhan), PhD Postdoctoral Fellow of Tsinghua University, Senior Registered Enterprise Risk Manager and Senior Risk Appraiser. 30 years of experience in the financial industry, extensive experience in investment banking, investment management and risk control. FRIENDZ SKY INTERNATIONAL INVESTMENT Founder CEO; CYBEYE INC Chief Investment Advisor; Independent Director for 5 Public company
	Richard Ren Director of The Los Angeles Post, Founder & CEO of AACYF. Mr. Ren has the full experience from an international student of Shenzhen, China to be a well-known company professional. He graduated from ULV with Master of Finance & Supply Chain Management and then Doctor of Public Administration. In recent years he also devoted his knowledge on local Chinese community's news media development. His news coverages usually are posted on many news media.



STEM | ESSAY CONTEST WINNERS

Future Technology that Can Improve Human Life

Student

[USA Group 1: Grade 6-8]



First Place: Stanley Liu
Title: *Novel Biochip Devices for Capture Tumor Cells*
Grade: 8
El Camino Creek Elementary School, Carlsbad, California



Third Place: Major Yang
Title: *oT Smart Home Shield with Industrial Smart Care*
Grade: 8
Riverside STEM Academy, Riverside, California



Third Place: Rio Yonezawa
Title: *Animal-Healthy-Assist Robot*
Grade: 6
Osaka Gakugei Jr High School, Osaka, Japan

Thank you for your continual support in empowering this young generation into STEM

Student

[China Group 1: Grade 6-8]



Second Place: XiangYu Huang
Title: *A new kind of fruit pH Detection*
Grade: 8
Shanghai World Foreign Language Academy, China



Third Place: Jiao Yutian
Title: *Electrostatic Adsorption Clean-Ball*
Grade: 9
Yinchuan Tanglai Huimin Middle School, China



Honorable Mentions
Fuyi Yang
Title: *Changeable Glasses*
Grade: 8
Shanghai World Foreign Language Academy, China



Kelly LIU
Title: *The Design to a Changeable Coat*
Grade: 7
Shanghai Xiangming Middle School, China

Student

[USA Group 2 : Grade 9-12]



First Prize: Benjamin Liu
Title: *A Fully-Integrated Lab-on-a-Chip Device for Sample Preparation, RNA Separation, Amplification, and Detection for Disease Diagnostics*
Grade: 10
Arcadia High School, Arcadia, California



Second Place: Valerie H. Narumi
Title: *Augmented Reality (AR) Aided Design for 3D Printed Prosthetics*
Grade: 12
First Prize: Valerie H. Narumi
Valencia High School, Placentia, California



Honorable Mention: Andrew Huang
Title: *A Novel Delay-Time Enlarged 3-D Gravitation Wave Detection System*
Grade: 11
Ambassador Maranatha High School, Pasadena, California

CESASC Member Activities in 2016-2017



To help the community in southern California with preparedness for earthquakes, on July 17, 2016, CESASC co-organized a community seminar on earthquakes with several local associations. The seminar was held in Arcadia Community Center. Dr. Liping Yan, former CESASC president, was the coordinator for the event and also one of the speakers at the seminar. Upon popular demand, the same seminar was again held in Irvine on September 11, 2016.

On October 15, 2016, CESASC active member Hao Zhang organized Beach Clean-up Day event in Huntington State Beach, cohorted by Tetra Tech, Inc. (a global environmental consulting company) and SCCAEPA, a 501(c)3 environmental professional Association), to keep our beaches clean! Hao (in the middle of the lower part of picture) is an environmental engineer with Tetra Tech, Inc., and members of SCCAEPA and CESASC.



On September 28, 2016, CESASC Chairman of the Board, Dr. Yue Rong, visited Bill and Melinda Gates Foundation office in Beijing, and discussed interactions between the Foundation and CESASC. On the left is the Director of Bill and Melinda Gates Foundation China Program, Dr. Yinuo Li (2017 CESASC Young Achievement Awardee).

CESASC 2016 Annual Convention Co-Master of Ceremony Sue Ann Pien, as we may recall that she is the one wanting to explore Mars one day, is the only Chinese American in the running to be a National Geographic Assignment Explorer Digital Correspondent. Please watch her video at <http://assignmentexplorer.com/video/794>.



Since 2015, CESASC has collaborated with Los Angeles Radio Golden Vintage Station for a weekly show entitled "Science and Life." Hosted by Dr. Dankai Liu (in picture behind the mic), former CESASC President and Chairman of the board, the broadcast team includes Stephanie Zhang, Xue Yang, Xinyi Huang. The weekly segment of the radio show covers many subjects including the environment, water, space, medicine, and Artificial Intelligence. To listen to the weekly radio show, please log on www.usachineseradio.com on every Saturday from 3 – 4pm.



PHOTO RECAPTURES (I)

2016 Convention & Technical Symposium, UCLA, April 23, 2016



At the 2016 Convention, Professor Steven Chu (Nobel Laureate and former US Secretary of Energy) with UCLA Chancellor Gene Block



2016 Scholarship Recipients



California Treasurer Mr. John Chiang spoke at the 2016 CESASC Convention



CESASC Board Members with UCLA Chancellor Gene Block and with 2016 Award Recipients



CESASC former presidents with Professor Steven Chu (keynote speaker at the 2016 convention)



A light moment for 2016 convention
MCs Sue Ann Pien and James Lin



Installation of CESASC Board Members (2016)



Trophy presentation by President Yue Rong to Luncheon Keynote Speaker Dr. Alex Hall of UCLA



PHOTO RECAPTURES (II)
2016 – 2017 CESASC Activities



Videotaping for Raymond Chan, Deputy Mayor of Los Angeles, 2017 CESASC Achievement Recipient



CESASC members attending SCCAEP annual convention



CESASC board meeting (2017)



CESASC members attending CAPF annual convention



CESASC board members attending JTUAA-SC annual convention



Former CESASC president gathering (fall 2016)



CESASC members visited Robinson's helicopter factory in Torrance (2016)



Qian Liu performing flute at 2016 CESASC convention



CESASC Former Presidents

1962 Henry Chi (戚文祥)	1981 Han C. Leung (梁漢宗)	2000 Sheng-Rong Lin (林勝榮)
1963 Norman Au (區毅民)	1982 Sui-An Fung (馮綏安)	2001 Edward Liu (劉漢忠)
1964 Tung-Hua Lin (林同驥)	1983 Shih Y. Chen (陳仕元)	2002 Edward Liu (劉漢忠)
1965 C. M. Wong (王頌明)	1984 Frank Wang (王鴻恩)	2002 Charles Wang (王啟明)
1966 Frederick Liu (劉繼福)	1985 Chieh Sun (孫黔)	2003 Charles Wang (王啟明)
1967 Theodore Wu (吳耀祖)	1986 Shui-Lin Chao (趙瑞麟)	2004 Shirley Ho (張翠妹)
1968 Ju-Chin Chu (朱汝瑾)	1987 Sherman Yu (于善元)	2005 Shan Lee (李珊)
1969 Lewis Au (區鯉騰)	1988 Chih-Ming Ho (何志明)	2006 Sikun Lan (藍思堃)
1970 Wellington Loh (陸孝同)	1989 Wei H. Kao (高為雄)	2007 Sikun Lan (藍思堃)
1971 Paul Yeh (葉電)	1990 Edward Liu (劉漢忠)	2008 David K. Lee (李嘉民)
1972 Paul Leung (梁佩璐)	1991 Catherine Kwan (寧克嘉)	2009 Wensheng Zhou (周文生)
1973 Tung Po Lin (林同坡)	1992 George Chao (趙家鈞)	2010 Yiu Man So (蘇耀民)
1974 Steven Tang (唐紹曾)	1993 T. J. Wang (王泰傑)	2011 Jason Wen (溫俊山)
1975 K. C. Chiang (蔣光祺)	1994 Eastwood Im (嚴貴方)	2012 Yutao He (何宇滔)
1976 Peter Dai (戴廣勳)	1995 Kung Yao (姚琨)	2013 Liping Yan (顏利平)
1977 John Chan (陳乃豪)	1996 Elizabeth Kay Im (郭怡珊)	2014 Dankai Liu (劉登凱)
1978 Shou S. Kwong (鄺紹壘)	1997 Tientsai Yang (楊添才)	2015 Yue Rong (容躍)
1979 Charles P. Wang (王正平)	1998 Munson Kwok (郭民生)	2016 Lan Saadatnejadi (茹蘭)
1980 Tennyson Wang (王演聲)	1999 William Chang (張靖生)	

CESASC Life Members

Arlen, Michael	Chin, Lester P.	Ko, Denny	Lou, Michael C.	Wang, Senlin
Bussel, Barak	Chu, Judy	Kwan, Catherine	Mak, Danton K.	Wang, T. J.
Cao, Xiwu	Dai, Peter K.	Lan, Sikun	Mar, Nelson T.	Wen, Jason
Chan, Leo K. P.	Deng, Jun	Lee, Alfred	Miao, David	Wong, Jimmy
Chan, Steven	Ding, Tony Y.	Lee, Hugh	Qiu, James (Zhiyong)	Woo, Chai Wei
Chan, Thomas K.	Fan, Jerry	Lee, Hui-An	Rong, Yue	Woo, Jer Kury
Chang, David D.	Gao, Youping	Lee, Jiin-Jen	Saadatnejadi, Lan	Wu, C. H. Timothy
Chang, Milton	He, Yutao	Lee, Shan	Sie, Charles	Wu, Marven Pan
Chang, Ning-Wu	Ho, Chih-Ming	Leung, Paul	So, Yiuman	Wu, Tim
Chang, William	Ho, Dean	Lim, Wah L.	Su, Hui	Yan, Liping
Chao, George	Ho, Shirley	Lin, Jimmy H.	Sun, Chieh	Yang, Tien Tsai
Chao, Pong	Hsiai, Tzung	Lin, Nancy	Sun, George	Yang, Wanwan
Chao, Shu-Kong	Hsieh, Albert	Lin, Sheng-Rong	Szeto, Manwai	Yang, Yang
Chen, Cheyang	Hsu, Albert	Lin, Trye-Lin	Tan, Hongjin	Yao, Kung
Chen, Jia Ming	Hsu, Alex	Lin, Tung-Po	Tang, Yupai L.	Yee, Henry
Chen, Joseph	Hsu, Hui Pin	Liu, Dankai	Teng, Albert R. H.	Yeh, Paul P.
Chen, Peter W.	Huang, Alice	Liu, Helen	Teng, Evelyn	Yen, Charles C.S.
Chen, Philip	Huang, Dongmei	Liu, Edward	Teng, Ta-Liang	Yeung, Derek
Chen, Shiuuan	Huang, George Y.	Liu, Paul I.	Tsai, Mark F.	Yin, Mingsong
Chen, Wendy H. D.	Huang, John	Liu, Robert W.	Tsai, Pin Fun	Yu, Pet
Chen, Y. Kenneth	Huang, Sheng-He	Liu, Wai-Min	Tsiang, T. H.	Yu, Sherman
Chi, Henry W.S.	Hui, Angela	Lo, Andrew	Tso, Jin (Sharon)	Yung, Yuk Ling
Chi, Lois Wong	Hwang, Li-San	Loh, W. H. T.	Wang, Charles C.	Zhai, Endi
Chiang, Albert C. L.	Im, Eastwood	Long, Jill	Wang, Cun-Yu	Zhang, Peter
Chiang, Martin	Im, Elizabeth Kay	Lou, Elizabeth	Wang, Li-Jean	Zhu, Konrad S.
Chien, Raymond	Kao, Wei H.			



ACKNOWLEDGEMENT

2016-2017 Board Members and Officers

President: Lan Saadatnejadi (茹蘭)

Vice President: Dongmei Huang (黃冬梅)

Secretary: Hui Su (蘇慧)

Treasurer: Manwai Szeto (司徒文偉)

Chairman of the Board: Yue Rong (容躍)

Board Members: Xiwu Cao (曹細武), Jia Fan (范佳), Yutao He (何宇滔), Jill Long (葛捷), Wanwan Yang (楊婉婉), Yang Yang (楊陽), and Peter Zhang (章華)

Executive Committee:

Convention: Jill Long

Achievement Awards: Hui Su

Events: James Lin

Fund Raising: Wanwan Yang

Convention Journal: Manwai Szeto

Ticket Drive: Jia Fan

Scholarships: Peter Zhang

STEM: Yiu Man So

Business Innovation: Xiwu Cao

Website Management: Peter Zhang /

Jia Fan

Public/Media Relations: Joseph Chen

Membership: Zheng Yang

Young Prof. Outreach: Yutao He

Volunteer Manager: Dongmei Huang

Daytime Symposium: Charles Wu

Radio Talk Show: Dankai Liu

CESASC Board Nomination Committee: Yue Rong (Chair), Dankai Liu, Liping Yan, Lan Saadatnejadi

Convention Committee: Jill Long (Chair), Charles Wu, Xiwu Cao, Zeng Yang

Award Selection Committee: Hui Su (Chair), Yutao He, Dongmei Huang, David Lee, Yue Rong, Lan Saadatnejadi, Jason Wen, Liping Yan

CESASC Scholarship Committee: Peter Zhang (Chair), Zhonghe Wu, Lei Xu, Yongping Zhang

Business Innovation Competition Committee: Xiwu Cao (Chair), Hui Su, Charles Wu, Wanwan Yang

STEM Committee/Judges: Yiu Man So (Chair), Rita Chuang (Co-Chair), Hui Su, Jonathan So, Shouhua Huang, Thanh Diep, Mason Tam **Subject Matter Experts:** Cathy Yang and Willie Ng

Daytime Symposium Committee: Charles Wu (Chair), Jill Long, Lan Saadatnejadi, Francis Cheung (AAPA)

Convention Entertainment: Qian Liu (Chair)

Journal Cover Design: Will Ma, Jency Yanchen

Event Floor Managers: Lia Andika (AAPA), Mary Lam (AAPA)

2017-2018 Board Members and Officers

President: Dongmei Huang (黃冬梅)

Vice President: Hui Su (蘇慧)

Secretary: Jia Fan (范佳)

Treasurer: Manwai Szeto (司徒文偉)

Chairman of the Board: to be elected by the board

Board Members: Yu Gu (古瑜), Yutao He (何宇滔), Jill Long (葛捷), Yue Rong (容躍), Lan Saadatnejadi (茹蘭), Charles Wu (吳志鴻), Wanwan Yang (楊婉婉), Yang Yang (楊陽)

CESASC Scholarship Foundation 2016-2017 Board of Directors

Chairman of Board: Shan Lee (李珊)

Directors: Lan Saadatnejadi (茹蘭), and Peter Zhang (章華)

President: Eastwood Im (嚴貴方)

Vice President: Shirley Ho (何張翠妹)

Secretary: Jiin-Jen Lee (李錦珍)

Treasurer: Munson Kwok (郭民生)



Chinese-American Engineers and Scientists Association of Southern California

南加州中華科工學會 (CESASC)

www.cesasc.org

History and Mission

The Chinese-American Engineers and Scientists Association of Southern California (CESASC) was founded in 1962 as a non-profit professional organization. Its mission is to serve as a platform to enrich their competence through technical conferences and workshops, to showcase their accomplishments through its annual Achievement Awards, to broaden their career perspectives through global and local networking, and to protect their interests and rights through organizational efforts. In 2011, CESASC was honored by the Chinese American Museum (CAM) as the recipient of the *Excellence in Science and Engineering Leadership Award* in CAM's 15th Annual Historymaker's Awards Ceremony.

CESASC Achievement Awards

Since 1969, CESASC has presented Achievement Awards to recognize the individuals who have made significant contributions to engineering and science, or those with distinguished professional career in the United States. Our previous award recipients included Nobel Laureates, members of US National Academy of Sciences, National Academy of Engineering and Institute of Medicine, Corporate and University executives, members of Committee 100, as well as public officials.

Technical Symposia

In an effort to promote technology advancement for its members, CESASC has sponsored annual Technical Symposia pertaining to various technical areas since 1986. These conferences have provided a forum for top researchers around the world to exchange ideas and findings about the latest advancements in science and technology. In 2010, CESASC further co-sponsored with UCLA to host an International Symposium on Materials for Enabling Nanodevices (ISMEN). In 2016, CESASC collaborated with UCLA Sustainable LA Grand Challenge to contribute and serve the Los Angeles community.

Scholarship, STEM, LEAP, and Youth Programs

The enrichment of youth program has been our important goal for many years. The CESASC Scholarship Foundation was created as a companion charitable non-profit organization to CESASC for raising funds for scholarships and educational programs. The Foundation has enabled CESASC to award scholarships annually to undergraduate and graduate students. The scholarship recipients have also been invited to participate in and present their research work in Technical Symposia. In 2012, the CESASC launched a STEM program for local middle and high school students to promote science and engineering education. In 2013, CESASC started a LEAP program working together with college student organization to provide career-related guidance, education, mentorship and opportunities to help young generations for their professional development.

Industrial Relations

CESASC brings together all segments of engineering and science by reaching out prominent industrial companies in Southern California. Through its technical symposiums, leadership programs, and seminars, CESASC has been able to broaden the base of its membership, expand networking platform, and provide needed services to its members. The support and sponsorship from the industry have made CESASC as one of the most influential Chinese-American professional organizations in the US.

International Advancement Cooperation Programs

Since the late 1980s, CESASC has organized numerous global cooperation activities to promote information exchange among professionals. During the past years, CESASC has accomplished mutual visits for government officials, university and industry leaders from the Pacific Rim countries or areas including China, Hong Kong, Taiwan, Singapore and Thailand. In acknowledgement of the contributions to these international cooperation programs, CESASC was recognized by the late Congressman George E. Brown, Jr., former Chairman of the House Committee on Science and Technology of the US Congress, during his Keynote address at CESASC's Technical Symposium in 1994.

南加州中華科工學會簡介

Chinese-American Engineers and Scientists Association of Southern California (CESASC)

南加州中華科工學會（CESASC，也簡稱科工會）成立於1962年，為一非營利專業團體，是美國南加州地區歷史最悠久、組織最完善的華美科技專業學會之一。這個由任職於南加州大學及高科技企業公司的華裔專業人士組成的科技組織，多年來致力於會員間的專業互動、科技交流、會員及團體權益福祉的維護，以及就業與教育相關資訊分享。2011年科工會榮獲洛杉磯華美博物館 (Chinese American Museum) 第十五屆歷史締造者傑出科學暨工程領導獎 (Excellence in Science and Engineering Leadership Award)。

年會是科工會的年度重要活動，會中的專題演講人及傑出成就獎得主均為一時之精選，包括諾貝爾獎得主楊振寧博士、李政道博士、丁肇中博士、李遠哲博士、高錕博士及朱棣文博士、美/中/台兩岸三地國家科學/工程/醫學學院及中科院和中央研究院院士吳健雄博士、吳耀祖博士、錢煦博士、朱經武博士、何志明博士、楊福家博士、王曉東博士、張懋中博士、翁玉林博士及廖俊智博士、以及美國前勞工部趙小蘭部長、加州大學伯克利分校校長田長霖博士、加州大學聖塔巴巴拉分校校長楊祖佑博士、《時代》周刊1996年年度人物何大一博士等。此外，中/港/台科技界著名科學家及政要多人亦曾應邀出席科工會學術交流活動及在年會中發表專題演講。

科工會於1986年首度推出大型科技研討會，為日後成立的華美科技組織樹立了楷模。研討會囊括的範圍甚廣，從航空太空到資訊科技、從環保運輸到生物醫學、從光電、建築到電子商務、以及近來益受重視的管理科學、奈米科技等項目均令與會者受益良多。年度研討會中也常邀請主流公司以演說、座談、展覽等方式為參加者提供科技界的最新動態。為加強與美國學界的合作交流，近年來科工會更與加州大學洛杉磯分校聯合主辦“奈米材料和應用元件國際研討會” (International Symposium on Materials Enabling)，深獲好評。

鼓勵青少年的參與是科工會成立至今的主要目標之一。1987年獎學金基金會 (Scholarship Foundation) 成立，在會員及社區熱心人士的慷慨捐助下，定期為大學部或研究所的在學學生頒發績優及清寒獎學金，得獎學子並應邀在科技研討會中就其科研成果展示或發表演說。此外，科工會亦多次舉辦青少年科工競賽，獲得學生及指導教師的大力支持。值得一提的是，1986年獎學金得主布朗大學二年級學生廖敏妃同學 (現為加州大學洛杉磯分校醫學院腦瘤項目的教授及主任)，更於2006年以其在醫學界的傑出表現榮獲科工會傑出成就獎，給予科工會及獎學金基金會莫大的鼓勵。

八十年代末，科工會曾致力於全球合作計畫，藉以推展科技交流。歷年來，屢為太平洋地區的中、港、台、星、泰及美國的產、官、學界專業人士組成科技互訪團。此外，為培育科技人才並發展科技教育，科工會亦曾協助吳家瑋校長籌集資金與網羅人才，創辦香港科技大学。美國前國會議員及國會科學技術委員會前主席 George E. Brown, Jr.，曾在科工會1994年科技研討會的專題演講中，特別表彰科工會對亞太地區科技交流所做的貢獻。

科工會的活動歷年來獲得多個主流公司企業及基金會的大力贊助，方能在全體理、幹事羣策羣力下，藉由科技研討會、獎學金計劃、領導才能培訓及專題討論會等活動，積極吸收新鮮血液，拓展交流平台，並逐步發展成為南加州甚具影響力的華美科技組織。

科工會在 2012-2013 年度推出了 LEAP (Leadership, Excellence, Aspiration, and Platform) 項目，對大學生和研究生熟悉和進入職場提供幫助，舉辦了多場職業發展研討會，受到了熱烈的歡迎。2012-2013 年度啟動的另一個項目是為中學生舉辦的 STEM (Science, Technology, Engineering, Math) 科技征文大賽，也引起了社區民眾的積極反響；在 2015-2016 年度，科工會把這個項目延伸到中國，建立了中國賽區，得到了許多中國中學生的熱烈響應。科工會在 2015 年元月製作了每週一次的廣播節目 - “科技與生活”，開南加州科技團體有定期廣播節目之先河。科工會在 2015-2016 年度也開創了商業創新競賽項目，為年輕人創業創新提供了一個展示的平台。

具有五十五年輝煌歷史的科工會，仍充滿青春活力，在服務社區中發揮著重要的作用。



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Science and Technology Division, TECO in Los Angeles
3731 Wilshire Blvd., Suite 504
Los Angeles, CA 90010
Tel: (213) 385-0803 ext. 120-124
Fax: (213) 385-0813
E-Mail: lasd@sciencela.org
<https://www.most.gov.tw/la/ch>

