# SURVING THRIVING

顽强生存,蓬勃成长

CESASC ANNUAL CONVENTION

JOURNAL



南加州中華科工學會

Chinese-American Engineers and Scientists Association of Southern California

Since 1962 in USA

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## Advice. Beyond investing.

#### Xuemei Wei

Sr Vice President--Wealth Mgmt Portfolio Manager, CFA 626-405-8206 xuemei.wei@ubs.com

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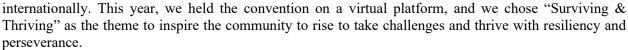


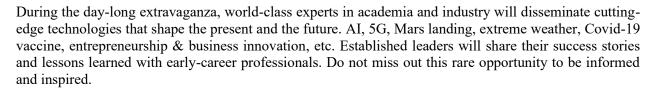
#### WELCOME MESSAGE From CESASC President 2020-2021

May 22, 2021

Dear CESASC Members and Friends:

Welcome to the 59th CESASC Annual Convention, a platform for the engineering and science industry to broaden its exposure and network both locally and





At the evening program, we will bring you two hottest topics – "AI: The Breakthroughs, Challenges and Opportunities," featuring CTO of Microsoft Azure AI – Dr. Xuedong Huang. And Mr. Al Chen, EDL (Entry, Decent, Landing) Lead of Mars 2020 program will make keynote speech on "Perseverance is a Way of Life." We will honor and celebrate the huge career success of two leaders and appreciate the extraordinary services as well. Fifteen CESASC/Lisa Lu/JHT scholarship recipients and four STEM essay contest winners will also be recognized. Congratulations to all the award recipients and contest winners. We also made a special program to commemorate former CESASC Presidents who recently passed away: CESASC Founder Dr. Henry Chi, and Paul Leung.

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 furthering this mission in the years to come.

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

It has been a great honor and privilege for me to serve you. Hope you enjoy this year's convention and see you next year!

Sincerely,

Charley Lu

President of CESASC

**59**<sup>th</sup> CESASC Anniversary Journal



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#### Congress of the United States

**Bouse of Representatives** Washington, DC 20515

May 22, 2021

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 59th Annual Convention – "Surviving and Thriving".

The Chinese-American Engineers and Scientists Association of Southern California has been positively impacting the fields of Science, Technology, Engineering, and

Mathematics for decades. The 59th Annual Convention – "Surviving and Thriving," which features innovative technologies for better sustainability, provides a platform for engineering and science professionals to network and broaden their exposure while recognizing the challenges faced during the global pandemic. These individuals are making history, and through recognition and unrelenting support, the Chinese-American Engineers and Scientists Association of Southern California will continue to push for innovation and discovery, amidst these challenging times.

I commend the 59th Annual Convention's virtual attendees and would like to encourage the researchers to continue protecting the interests and rights of scientists and engineers through organizational efforts. I also support the Association's work in building cross-cultural relationships 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





#### **BOARD OF SUPERVISORS COUNTY OF LOS ANGELES**

869 KENNETH HAHN HALL OF ADMINISTRATION / LOS ANGELES, CALIFORNIA 90012 Tel: 213-974-5555 Fax: 213-974-1010

#### KATHRYN BARGER

SUPERVISOR, FIFTH DISTRICT

May 22, 2021

Chinese-American Engineers and Scientists Association of Southern California 4810 Deelane Place Torrance, CA 90503

Dear Friends.

你好! Nǐ hǎo! Greetings to your guests and honorees gathered for the Chinese-American Engineers and Scientists Association of Southern California's 59th Annual Convention.

The COVID-19 pandemic has highlighted the immensely important role of experts in science, technology, engineering, and mathematics. Los Angeles County residents appreciate your dedication to foster opportunities for aspiring Chinese-American engineers and scientists and to celebrate their excellent achievements. CAESASC's mission is vital to the future success of our workforce and communities, and as your theme "Surviving and Thriving" suggests, there are incredible possibilities on the road ahead. Our communities are stronger because of your leadership and influence.

I look forward to our continued partnership and your ongoing success.

Best wishes.

KATHRYN BARGER Chair of the Board

Supervisor, Fifth District



#### **Message from Andrew Yang**



Hello everyone, I am Andrew Yang, and it is my pleasure to be able to congratulate CESASC for its 59-year anniversary of promoting science, technology, engineering, and math excellence, and honoring the next generation of leaders, the 15 scholarship recipients, the four student essay contest winners who are recognized today. It's incredible, the work you all do. My father was, and is, a physicist who generated a number of patents. It is innovators and leaders like you who will build a future that we can all be proud of. And this convention, with a theme of surviving and thriving to promote a sense of resilience and perseverance, is so important right now given the issues that many people in the Chinese American and the Asian American communities are facing right now. We will overcome this, and we will overcome it by contributing in ways that are bigger than ourselves, the way that I know so many of you will. So congratulations CESASC, congratulations to all of the award winners and scholarship recipients today. You all make me proud and excited. Let's build a future that we're going to be actually proud of for our children of the next generation. Thank you all so much, have a great time!



#### 59<sup>th</sup> CESASC Annual Convention Program

1:30 am – 9:00 pm, May 22, 2021,

#### Surviving and Thriving (頑強生存,蓬勃成長)

TIME	Zoom meeting ID: 867 3020 6098 Passcode: 1962		
	<u>Technical Symposium</u>		
1:30 ~ 1:35 pm	Moderator: <b>Dr. Kenny Wang</b> , Technical Symposium Chair		
1:35 ~ 2:10 pm	Future of <i>5G</i> <b>Dr. Tingfang Ji,</b> Senior Director of Engineering in Wireless R&D, Qualcomm		
2:10 ~ 2:45 pm	California's Wildfire Crisis  Dr. Yufang Jin, Professor, UC Davis		
2:45 ~ 3:25 pm	COVID-19 Vaccines: Progress, Challenges and Hope  Dr. Angela Zhou, Information Scientist, CAS		
3:25 ~ 3:30 pm	Coffee Break		
	Entrepreneurship & Investment Forum		
3:30 ~ 3:35 pm	Moderator: <b>Terry Guo</b> , Business Innovation Committee Chair		
3:35 ~ 4:00 pm	Blockchain AI Integrated E-health Platform <b>Dr. Gary Chen,</b> Founder and CEO of AiTmed		
4:00 ~ 5:00 pm 5:00 ~ 5:30 pm	Dr. Evans Lam, Managing Director, UBS; Trustee, Rochester University Dr. Henry Shi, Founder & MP AI List Venture Capital Funds Chris McCann, General Partner at Race Capita  Sailing through the Pandemic Allen Wang, Founder & CEO, Tours4Fun Dr. Jiachen Zhang (Interviewer)		
5:30 ~ 6:30 pm	Coffee Break		
6:30 ~ 9:00 pm	AiTmed Convention Gala		

Convention Chair: Nancy Huang; Zoom meeting Manager: Dr. Jinxing Li



### **Technical Symposium**



**Dr. Tingfang Ji** joined Qualcomm in 2003 and is currently a Senior Director of Engineering in Wireless R&D. From 2003 to 2014, he made instrumental technical contributions towards the development of LTE/LTE-A technology and served as a vice chairman of the radio working group (RAN4) of 3GPP. Since 2014 his research project spearheaded Qualcomm's 5G NR air interface design/standardization efforts, pre-commercial 5G NR sub 6GHz IODT/trials, 5G experimental macro networks, and long-term pre-6G research. Before joining Qualcomm, Dr. Ji was a member of the technical staff at Bell Labs. As an inventor, he has more than 800 U.S. patent applications. Dr. Ji received his Ph.D degree in E.E. from the University of Michigan, Ann Arbor in 2001, and received a B.Sc. from Tsinghua University, Beijing.



**Dr. Yufang Jin** is a Professor of Remote Sensing and Ecosystem Change at University of California, Davis. Her research focuses on landscape scale ecological dynamics and wildfires patterns using remote sensing and machine learning techniques. She has developed various tools for monitoring and modeling wildfires, tree mortality, and ecosystem productivity and water use. Her studies on fire-climate-vegetation interactions have provided insight for forest and fire management strategies in California. Dr. Jin has led a large interdisciplinary project to study Southern California's wildfires and are currently Co-PIs of two large multi-institution wildfire related projects. She has published more than 50 peer reviewed journal articles. She is a topic Editor for the Remote Sensing journal.



**Dr. Qiongqiong Angela Zhou** is an Information Scientist at CAS, a division of the American Chemical Society. She earned her Ph.D. in Molecular Pharmacology and toxicology from University of Southern California. She was further trained as a cell biologist at Johns Hopkins School of Medicine and worked in the area of cancer biology at Harvard Medical School. She was a faculty member at Missouri State University and Denison University prior to joining CAS.



#### **Entrepreneurship and Investment Forum**

#### **Keynote Speech: Blockchain AI Integrated E-health Platform**

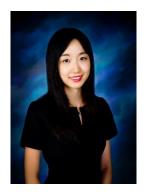


**Dr. Gary Chen** is an ABOS board-certified Orthopedic and Hand Surgeon and the Chief of Orthopedic Surgery at California Hospital Medical Center. He is a successful entrepreneur who founded AiTmed Inc. and owns three medical centers. He is also the founder of California Orthopedics and Micro-Surgery Institute (COMSI), and serves as an Associate Professor of Orthopedic Surgery at UCLA.

#### Fireside Chat: Sailing through the Pandemic



Allen Wang is the CEO and co-founder of Tours4Fun.com, the largest Chinese online travel sites in North America. He started the Founders' Footprints series so that Tours4Fun can better connect with customers and share personal travel experiences. Allen is an experienced explorer and a very excellent tour guide, and has visited every continent in the world, totaling over 40 countries. His passion for outdoor travelling, hiking, camping, mountaineering, skiing and diving has brought him to almost all the national parks and state parks in North America.



**Dr. Jiachen Zhang** works at the California Air Resources Board, where she analyzes massive data and develops models to promote policymaking for achieving California's clean air and climate goals. She actively leads and organizes events to promote technological innovations. She served as a Board Director of PlusYoou, an NPO aiming to build a cross-border entrepreneurial ecosystem, and was recently elected to serve on the Board of Directors at CESASC. Dr. Zhang earned her Ph.D. in Environmental Engineering USC and her B.S. in Atmospheric Sciences from Peking University.



#### **Entrepreneurship and Investment Forum**

#### **Investment Panel: Best of our Times**



**Dr. Evans Lam** is a Managing Director of Wealth Management and Senior Portfolio Manager at UBS Financial Services Inc. He serves on the Board of Trustees of University of Rochester, the Simon Business School's National Council, and the Los Angeles Regional Cabinet. Evans is also an educational philanthropist who endowed multiple scholarships at the University of Rocherster, and supports educational foundations in mainland China and Hong Kong.



**Chris McCann** is a general partner at Race Capital, entrepreneur, and community builder. He founded and led the community program at Greylock Partners, which led investments in Facebook, LinkedIn, Dropbox, and Coinbase. Chris has an angel portfolio of over twenty investments within the fintech and blockchain verticals, including Binance and Solana. He was also the co-founder and CEO of StartupDigest and grew it from zero to over one million subscribers before being acquired by Techstars. He was an early advisor for the Thiel Fellowship & StartX at Stanford University. He also writes a newsletter covering the fintech & tech sectors and reaches 25,000 entrepreneurs, engineers, and investors on a weekly basis.



Dr. Henry Shi is the Managing Partner of AI List Capital and a Venture Partner at BOLD Capital Partners. Henry has invested in 30+early-stage companies within the SaaS and AI verticals, including Honey (acquired by PayPal at \$4B), Shape Security (acquired by F5 Networks at \$1B), UiPath (NYSE: PATH), among others. Some of his investments achieved nearly 100x returns. Prior to becoming a venture capitalist, Henry was a successful serial entrepreneur, and got his PhD. degree in AI from USC. He has given multiple AI-focused keynote speeches at Google, Facebook, Cheung Kong Graduate School of Business (長江商學院) and other institutes.



#### 2021 CESASC Annual Convention Gala & Award Presentation

#### 南加州中華科工學會第59屆年會及頒獎典禮議程

6:30 pm - 9:00 pm, May 22, 2021, Zoom Online Meeting

#### Surviving and Thriving (頑強生存,蓬勃成長)

6:30 pm 6:35 pm	Welcome Remarks by MC CESASC History and 2021 Looking Back	MCs: Ms. Alice Zhai/Mr. David Lee	
6:47 pm	VIP introduction		
	Congratulatory speech	Congresswoman Judy Chu	
	•	Angeles County Supervisor Kathryn Barger	
	Congratulatory speech VIP Sponsors remarks	Andrew Yang Dr. Gary Chen, Xuemei Wei	
7:05 pm	<b>Keynote Speech:</b> "Al: The Breakthroughs, Challenges and Op	•	
7.00 pm	raynoto opossiii 74. The Broaktineagns, chailenges and op	CTO, Microsoft Azure Al	
7:35 pm	CESASC Award Ceremony	,	
•	CESASC Lifetime Achievement Award	Lisa Lu	
	CESASC Achievement Award	Dr. Xuedong Huang	
	CESASC Appreciation Award	Dr. Jonathan Jiang	
7:46 pm	First Round of Raffle / Group photo	Dr. Jinxing Li	
7:51 pm	Keynote Speech: "Perseverance is a Way of Life"	Mr. Al Chen	
0.21 nm	Mars 2020 Mission EDL(Entry, Decent, and Landing) Lead, JPL		
8:21 pm	CESASC Student Award Ceremony CESASC Scholarship Awards	Dr. Xudong Jia	
		· ·	
	Xinruihe Wang (王心睿和), Gengchen Mai (买庚辰), Wendy Liu (刘海珊), Louis		
	Wong (黃錫龍), Simona Zhang (张心邈), Yayun Du (杜亚云), Wei-Chia Luo (駱為家		
	), Amanda Guan (管依然), Fan Yang (杨凡), Luke Ong (王义	(路)	
	Lisa Lu Foundation Scholarship Awards	Dr. Xudong Jia	
	Niuyue Zhang (张纽约), Maggie Ding (丁慕淇), Yiwei Lu (陆	袆玮)	
	CESASC-JHT Scholarship Awards	Dr. Jonathan Jiang	
	Xiang Cai (蔡翔 Physics), Junyi Chen (陈筠怡 Chemistry)		
	Student Essay Contest Awards	Dr. Jonathan Jiang	
	Junze Zhang (张君泽), Antong Zhang (张安童), Kerry Zhang	g (张凯瑞), Kevin Hua (华辰峻)	
8:48 pm	In Memoriam		
8:51 pm	2021/2022 CESASC Board Installation	Shirley Ho	
8:55 pm	Incoming President remarks	Dr. Bruce Liu	
8:57 pm	Second Round of Raffle	Dr. Jinxing Li	
8:59 pm	Closing Remarks by President	Dr. Charley Lu	



#### **Keynote Speaker**

#### AI: The Breakthroughs, Challenges and Opportunities



Xuedong Huang Ph.D

**CTO Azure Al** 



Speech Summary

University.

**Dr. Xuedong Huang** is a Microsoft Technical Fellow and Chief Technology Officer Azure AI Cognitive Services. He is responsible for Microsoft's Azure AI engineering and research to bring the dream of making machines see, hear and understand human beings a reality. He joined Microsoft to found the company's speech technology group in 1993. He helped Microsoft achieve multiple historical AI milestones on the open research tasks, including a human parity milestone in conversational speech recognition in 2016; a human parity milestone in machine translation in 2018; and a human parity milestone in image captioning in 2020. Huang has more than 170 US patents that impacted billions of customers globally via Azure AI. In 2016, Wired magazine named him one of 25 Geniuses. In 2021, Azure AI was named the winner of InfoWorld's Technology of the Year Award. Huang was awarded the Allen Newell research excellence medal, and IEEE Speech Processing Best Paper. He was recognized as IEEE Fellow and ACM Fellow. Huang received his PhD from the University of Edinburgh, MS from Tsinghua University, and BS from Hunan

Dr. Xuedong Huang, the Chief Technology Officer of Azure AI at Microsoft, helped achieve multiple human parity in AI milestones in the past decade. Huang will share insights as an executive into how Loonshots have helped inspire innovation within his organization, while continuously delivering product improvements. He will reveal the latest real-world applications of AI, industry challenges and future opportunities for breakthrough.



#### **Keynote Speaker**

#### Perseverance is a Way of Life



Allen Chen

Mars 2020 EDL Lead

Allen Chen was the Entry, Descent, and Landing Phase Lead for the Mars 2020 mission. Prior to that, he was the Flight Dynamics and Operations Lead for Mars Science Laboratory Entry, Descent, and Landing team, culminating in the successful landing of the Curiosity rover in 2012. He holds S.B. and S.M. degrees in Aeronautics and Astronautics from the Massachusetts Institute of Technology and a M.B.A. from the University of California, Los Angeles.



Speech Summary

On February 18, 2021, the world watched as the Perseverance rover safely completed its autonomous landing in Jezero Crater. The largest, heaviest, and most complex planetary rover ever built depended on its seven-minute entry, descent, and landing sequence to touch down safely at the most dangerous landing site ever attempted on Mars. But landing itself was just the final challenge through which Perseverance and her team endured. The path to Mars was riddled with parachute and other hardware failures, new technology challenges, a pandemic, and even an earthquake that all tried the resolve of the team. Through it all, the tight-knit and diverse team faced those challenges and embraced perseverance as a way of life.



#### 2021 CESASC Lifetime Achievement Award Recipients

#### Lisa Lu



**Lisa Lu** is a Chinese-born American actress and singer. She won the Golden Horse Awards three times in the 1970s.In 1960, she was the female lead in the antiwar film The Mountain Road, which starred James Stewart and which was based on the novel of the same name by the China war correspondent Theodore H. White. Her film career took off in the 1970s with supporting roles in films like Demon Seed and Peter Bogdanovich's Saint Jack. During this time, she received three Best Actress Golden

Horse Awards for her Chinese-language films The Arch, The Empress Dowager, and The Fourteen Amazons. For the remainder of her career, Lu alternated between theater and film. She may be best known by English-speaking audiences for her roles in the 1988 TV miniseries Noble House, and the films The Last Emperor (1987), The Joy Luck Club (1993), and Crazy Rich Asians (2018).

盧燕,著名美國華人女演員,首位華人奧斯卡終身評委。 1960 年,主演個人首部電影《山路》。 1971 年,憑藉電影《董夫人》獲得第 9 屆台灣電影金馬獎最佳女主角獎。 1973 年,憑藉戰爭電影《十四女英豪》獲得第 11 屆台灣電影金馬獎最佳女配角獎。 1975 年,她因主演劇情電影《傾城傾國》而獲得第 12 屆台灣電影金馬獎最佳女主角獎。 1976 年,憑藉古裝電影《瀛台泣血》獲得亞洲電影節傑出成就獎。 2000 年,獲得美國聯合國協會國際和平文化獎。 2005 年,獲得第 5 屆華語電影傳媒大獎百年影星獎。 2011 年,憑藉劇情電影《團圓》獲得第 3 屆英國倫敦萬像華語電影節最佳女演員獎。 2015 年,獲得第 16 屆華鼎獎和第 2 屆金色銀幕獎的終生成就獎。 2016 年,獲得第 6 屆華人榜頒獎禮和第 49 屆美國休斯頓國際電影節的終身成就獎。



#### 2021 CESASC Achievement Award Recipient



**Dr. Xuedong Huang** is a Microsoft Technical Fellow and Chief Technology Officer Azure AI Cognitive Services. He is responsible for Microsoft's Azure AI engineering and research to bring the dream of making machines see, hear and understand human beings a reality.

He joined Microsoft to found the company's speech technology group in 1993. He helped Microsoft achieve multiple historical AI milestones on the open research tasks, including a human parity milestone in conversational speech recognition in 2016; a human parity milestone in machine translation in 2018; and a human parity milestone in image captioning in 2020.

Huang has more than 170 US patents that impacted billions of customers globally via Azure AI. In 2016, Wired magazine named him one of 25 Geniuses. In 2021, Azure AI was named the winner of InfoWorld's Technology of the Year Award. Huang was awarded the Allen Newell research excellence medal, and IEEE Speech Processing Best Paper. He was recognized as IEEE Fellow and ACM Fellow.

Huang received his PhD from the University of Edinburgh, MS from Tsinghua University, and BS from Hunan University.

#### 2021 CESASC Appreciation Award Recipient



**Dr. Jonathan H. Jiang** is a Principal Scientist of Engineering and Science Directorate at the Jet Propulsion Laboratory (JPL), California Institute of Technology, and the Supervisor of JPL Aerosol and Cloud Group, managing a team of more than 30 scientists, engineers, associates and postdoctoral scholars. He is also serving as an Editor in Chief for the American Geophysical Union, and he is the elected Chair for the American Meteological Society's Committee on Atmospheric Chemistry.

Dr. Jiang has over 200 research publications in the field of satellite remote sensing, atmospheric and climate sciences, and astrophysics. He has been twice awarded the NASA Exceptional Achievement Medals in 2010 and 2013, for his leadership and innovation in scientific research using NASA satellite observations. Most recently, Dr. Jiang received the 2019 Ed Stone Award and the 2019 NASA Exceptional Scientific Achievement Medal for his outstanding scientific achievement and service to the NASA missions.

Dr. Jiang has made tremendous contributions to CESASC. For the past three years, he provided more than 50 seminars to students through the CESASC STEM program. He donated and raised more than 30K USD for CESASC. In 2021, he created CESASC JHT Prize for Fundamental Science that awards annually to the most compelling young candidates who have demonstrated a commitment to fundamental scientific inquiry through their achievements witnessed by published research in physics, chemistry or mathematics.

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## Convention Gala Masters of Ceremony

Alice Ruilin Zhai (翟睿琳) grew up in La Canada, CA, and currently lives in San Francisco. She studied Applied and Computational Mathematics at California Institute of Technology and now works at Facebook as a data scientist. In her senior year of college, she was admitted to Harvard Business School's 2+2 MBA Program. She plans to pursue her MBA next fall. In Alice's free time, she enjoys baking, dancing, and traveling. Alice was one of the 2017 CESASC Scholarship recipients.

David K. Lee is the Project Manager for Program Integration and Operations at Northrop Grumman Corporation, providing technical and management support to space systems programs and projects. He is an engineering professional with extensive experience in configuration and data management as well as project management. He also has a solid background in diversity, engagement, and inclusion from his involvement with company employee resource groups. He holds various executive board member and officer positions with various non-profit organizations supporting the increase in diversity leadership. He has a Bachelor of Science in Industrial Engineering from California State University Northridge and numerous professional certifications. David enjoys reading, writing, traveling, and volunteering in the community.







#### 2020-2021 CESASC Executive Team Members

(in alphabetical order)



**Jia Fan**Secretary & Chair of
Communication Committee



Yu Gu Treasurer



Chenxi Guo Chair of Business Forum &Tech Salon



Nancy Huang Chair of Convention & Journal Committee



Dongmei Huang Co-Chair of Journal Committee



Xudong Jia Chair of Scholarship Committee



Jonathan Jiang Chair of JHT Scholarship &Essay Contest Committee



Jinxing Li Chair of Young Professional Team



**Bruce Liu**VP & Chair of Fundraising
Committee



Charley Lu President



**Hui Su**Chair of Public & Media
Relation Committee



Kenny Wang Chair of Technical Symposium Committee



**Liping Yan**Co-Chair of Public &
Media Relation Committee



Mingsong Yin
Chair of IT committee



Ying Zhan Chair of STEM Program Committee



Ping Zhou Chairman of Board & Chair of Selection Committee



#### **CESASC Scholarship Foundation**

"Remembering and Honoring H.E Frank Wang, our Founding President"

#### Scholarship Endowments

Mrs. Hsu Hwa Chao Memorial Scholarships

(for humanities or science)

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

(for a woman when possible)

**Professor Lois Chi Memorial Scholarships** 

Dr. Sherman Shan Yu Memorial Scholarships

We thank all our 2020-2021 Donors and Supporters
With Special Thanks to

# Henry Chi Special Fund in Honor of Prof. Lois Chi and CESASC Southern California Edison

#### Shan & Sanne Lee

#### Donors of the Henry Chi Scholarship Memorial Fund

Dongmei Huang

**Shirley and Chih-Ming Ho** 

Hui Su

Ping Zhou & Wenji Xu

Jason Wen

Charley Lu & Biying Zhang

Shan & Sanne Lee

Mr. & Mrs. Chia-Chun Chao

**Nancy Huang** 

Theodore Wu Yue Rong Dankai Liu

Mr. & Mrs. Tennyson Wang Munson & Suellen Kwok Elizabeth and Eastwood Im

Lan Saadatnejadi YourCause.com

As of May 10, 2021

Foundation funds the CESASC scholarship program in science, engineering, medicine and humanities.

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." Send to M. Kwok, 5474 West 76th Street, Los Angeles, CA 90045-3208.



#### 2021 CESASC Scholarship Recipients



#### Ms. Xinruihe Wang 王心睿和

Undergraduate Student, Communication, University of Southern California Pursuing her B.A. degree in Communication with minors in applied analytics and marketing at the University of Southern California, Xinruihe aims to combine marketing and data analytics in helping with the digitalization of public welfare.

Prof. Lois Chi Memorial Scholarship



#### Gengchen Mai 买庚辰

PhD Student, GIScience, University of California, Santa Barbara Gengchen received B.S. degree in GIS from Wuhan University and M.A. degree in GIScience from UC Santa Barbara. His research interests include Spatially Explicit Machine Learning, GeoAI, Geographic Knowledge Graph, and Geospatial Semantics. His Ph.D. dissertation topic is Geographic Question Answering with Spatially Explicit Machine Learning Models.

Dr. Jiin-Jen and Mrs. Sage Lee Scholarship



#### Wendy Liu 刘海珊

M.S.L. Candidate, Studies in Law, University of Southern California Received B.A. degree with honor in Communication from the University of Southern California (USC). Her research interests include education law and the representation and portrayal of the Asian community in popular media content.

Dr. Charlie Sie Scholarship



Louis Wong 黃錫龍

B.A. Student, Communication, University of Southern California Studying communication at the University of Southern California. He is experienced in photo, video, and graphic design production, having won titles such as Best Drama at the Across Asia Youth Film Festival. Currently, he is navigating the communication consulting industry.

Anna and John Sie Foundation Scholarship



#### Xinmiao (Simona) Zhang 张心邈

M.C.G. Student, Communication Management, University of Southern California

Received B.A. in Journalism from Jinan University and M.C.G. in Communication Management from University of Southern California (USC). A researcher, marketer, storyteller, relationship builder, and mental health advocate. Her work translates data to digestible insights. She currently works on a mental health campaign for Chinese international students.

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





Yayun Du 杜亚云

Ph.D. student, Mechanical Engineering, University of California, Los Angeles

Received her Bachelor's in Automotive Engineering from Harbin Institute of Technology (HIT) and was the only junior in "Top Ten Students at HIT". Her research interests range from robotic manipulation and control to soft structure design (e.g., bacterial flagellar robots, SWARM, and agricultural robots) by applying mechanics analysis, deep learning, reinforcement learning, computer vision and SLAM techniques.

Sherman Shan Yu Memorial Scholarship



Wei-Chia Luo 駱為家

Ph.D. Student, Bioengineering, University of California, Los Angeles Received B.S. degree in Medical Science from National Tsing Hua University, M.S. degree in Anatomy and Cell Biology from National Taiwan University, and M.S. degree in Bioengineering from University of California, Los Angeles. Her current research focuses or quantitative framework for re-programming.

**CESASC** Foundation Scholarship



Amanda Guan 管依然

MS Student, Materials Science and Engineering, University of California, Berkeley

Amanda Guan received a B.S. in Materials Science and Engineering from UC Berkeley and will return in the fall to complete her M.S. in Materials Engineering as well. Her research interests include polymer synthesis, bioplastics, and circular economy strategies.

**CESASC Foundation Scholarship** 



Fan Yang 杨凡

M.S. Student, Digital Social Media, University of Southern California Completed B.A. and M.S. degree at University of Southern California. His research focuses on social media news consumption and opinion polarization about U.S.-China relations. In his free time, Fan actively creates original article on his WeChat official account. His career goal is to be a content creator and social media specialist who facilitate the communication between businesses and their customers.

CESASC Foundation Scholarship



Luke Ong 王义路

MD Student, Osteopathic Medicine, A.T. Still University
Received B.S. degree from Emory University in Atlanta, GA. Received M.S. degree from
Eastern Virginia Medical School in Norfolk, VA. Current Doctor of Osteopathic
Medicine candidate at A.T. Still University in Mesa, Arizona.

CESASC Foundation Scholarship



#### 2021 CESASC Lisa Lu Scholarship Recipients



#### Niuyue Zhang 张纽约

M.F.A. Candidate, Cinematic Arts, University of Southern California Graduated from Duke University with a BA in International comparative studies and History. She is currently an MFA candidate at USC School of Cinematic Arts. As a director and producer, she brings her films to more than 30 international film festivals such as Flicker Rhode Island international film festival, Canada Shorts, and SCAD Savannah Film Festival. The recent documentary short she produced "Unfinished Lives" (2020) is a gold medalist in the 47<sup>th</sup> Student Academy Awards. She is currently working on her thesis film "Mother in the Mist" (2021), which is a touching drama about a rural Chinese mother who tries to reunite with her baby in COVID-hit Wuhan.



#### Maggie Ding 丁慕淇

Student, Film and TV conservatory, Orange County School of the Arts Maggie has made five short films that have been selected into 38 film festivals. Her short documentary Left Behind has been selected into two Academy Awards qualifying film festivals and will be screened at the American Pavilion Emerging filmmaker showcase at the Cannes Film Festival.



#### Yiwei Lu 陆祎玮

Master of Visual Anthropology, University of California, Los Angeles Yiwei Lu currently works as an independent art curator and magazine columnist in Los Angeles while studying for her master's degree in visual anthropology at University of Southern California. She founded Yiwei Gallery after graduating from Loyola Marymount University to promote Chinese artists in the U.S.



#### 2021 CESASC Scholarship Committee



**Xudong Jia**, Ph.D., P.E. Associate Dean and Professor of College of Engineering and Computer Science, California State University, Northridge.



**Jinxing Li**, Ph.D. Assistant researcher in space physics at UCLA. PI of NSF and NASA grants.



Yu Gu, Ph.D.
Associate Director of
Operations at Joint Institute for
Regional Earth System Science
and Engineering & Adjunct
Professor in Atmospheric and
Oceanic Sciences, UCLA.
Editor of Geophysical
Research Letters.



Dongmei Huang
Principal - Business
Management, Public Cloud
Infrastructure and Technology,
AT&T.
2017-2018 President and 20182019 Chairperson of Board of
Directors, CESASC.



Kenny Wang, Ph.D. Engineer at Los Angeles Regional Water Quality Control Board

#### **CESASC Scholarship Ceremony Speakers**



**Perry Shen**, MD Professor, Surgical Oncology, Wake Forest Baptist Health CESASC scholarship recipient in 1987

Prof. Shen is a surgeon specializing in surgical oncology at Wake Forest Baptist Medical Center in Winston-Salem, North Carolina. He received his B.A. and B.S. from University of California Irvine in 1988 and received his MD from University of Southern California School of Medicine in 1992.



Ming C. Lin, Ph.D.
Distinguished University Professor
Chair of the Dept. of Computer Science, University of Maryland
CESASC scholarship recipient in 1986

Dr. Ming C. Lin obtained her B.S., M.S., and Ph.D. in Electrical Engineering and Computer Science from the University of California, Berkeley. She received NSF Young Faculty Career Award, Honda Research Initiation Award, UNC/IBM Junior Faculty Development Award, UNC Hettleman Award for Scholarly Achievements, Beverly W. Long Distinguished Professorship, UNC WOWS Scholar, IEEE VGTC Virtual Reality Technical Achievement Award. She has (co-)authored more than 300 refereed publications in these areas and co-edited/authored four books. She also co-founded Impulsonic, Inc.



#### 2021 CESASC JHT Scholarship Recipients



#### **Physics Prize**

Xiang Cai 蔡翔 (17yr) Santiago High School

Xiang Cai has been admitted by the Columbia University in April 2021 and has been honored as Columbia Science Research Fellow.

Representative publication: A Statistical Estimation of the Occurrence of Extraterrestrial Intelligence in the Milky Way Galaxy, *Galaxies*, 2021



#### **Chemistry Prize**

Junyi Chen 陈筠怡 (25yr)

Ph.D. Student, University of California, Riverside

Junyi Chen received her B. S. in chemistry from University of Science and Technology of China. Her research focuses on Bioanalytical Chemistry.

Representative publication: Selective discrimination and classification of G-quadruplex structures with a host–guest sensing array, *Nature Chemistry*, 2021

#### No awardee in Mathematics for this year

#### Introduction to JHT scholarship

The JHT scholarship is named by Dr. Jiang Hong Tao. The CESASC JHT Prize for Fundamental Science awards annually to the most compelling young candidates who have demonstrated a commitment to fundamental scientific inquiry through their achievements witnessed by published research in physics, chemistry or mathematics.

Applicants are individually chosen by our distinguished members through a selective review process. The JHT Prize is an honor reserved only for our highly accomplished young scientists under the age of 26, who have dedicated their talent to science.

In the year 1905, Albert Einstein published 4 research papers, at age of 25, that changed world. More than 115 years later, this still inspires us, and We hope, through the JHT Prize, to also encourage and inspire young people to be successful in their scientific endeavor.

**59**<sup>th</sup>



## 2021 CESASC JHT Scholarship and STEM Essay Contest Committee



Jonathan H. Jiang (蒋红涛), Ph.D. Principal Scientist at NASA/JPL, California Institute of Technology. Recipient of two NASA Exceptional Achievement Medals; Recipient of the Edward Stone Award and the NASA Exceptional Scientific Achievement Medal.



Charley Lu (盧春雨), Ph.D. Technologist and engineering executive. 20 years leadership experience in computer hardware and software product R&D. President of CESASC 2020/2021.



Ying Zhan (战颖), Ph.D.
Professional investor. Senior
Registered Enterprise Risk
Manager and Senior Risk
Appraiser. President of
International Branding App
Alliance, Founder CEO of Aproin
Inc.



Liping Yan (顏利平), Ph.D. Technical Specialist at the Los Angeles Department of Water and Power. He serves on CESASC's Honorary Advisory Board and is a reviewer for several academic journals.



Jinxing Li (李金星), Ph.D. Assistant researcher in space physics at UCLA. PI of NSF and NASA grants.



Chengxing Zhai (翟成兴), Ph.D. Jet Propulsion Laboratory Senior Technologist, Data Scientist.



Yu Gu (古瑜), Ph.D. Associate Director of Operations at Joint Institute for Regional Earth System Science and Engineering & Adjunct Professor in Atmospheric and Oceanic Sciences, UCLA. Editor of Geophysical Research Letters.



Nancy Huang (黄楠), MS Jet Propulsion Laboratory Senior Software Engineer. Board Director of CESASC.



#### **2021 CESASC STEM Essay Contest**

#### **High School Winners**



1st place: Junze Zhang 张君泽 9th Grade

Average: 4 (New Idea 2, Reasoning/Logic 4, English 5, Cited reference 5) Suggest shift priority in government budgets, such as increasing education, energy, and R&D budgets by 1% and reduce military spending by 3-4%.



2<sup>nd</sup> place: Antong Zhang 张安童 10<sup>th</sup> Grade

Average: 3.75 (New Idea 3, Reasoning/Logic 3, English 5, Cited reference 4) Present an argument (pro and cons) of a universal language and fit for all different cultures.



3<sup>rd</sup> place: Kerry Zhang 张凯瑞 9<sup>th</sup> Grade

Average: 3.25 (New Idea 2, Reasoning/Logic 1, English 5, Cited reference 5) Argue that human nature is an important factor to our survival

#### **Middle School Winner**



1<sup>st</sup> place: Kevin Hua 华辰峻 8<sup>th</sup> Grade

Average: 2 (New Idea 3, Reasoning/Logic 1, English 4, Cited reference 0) Present ideas of what will be available in the future, such as "Age of Technology", computer will be faster, eliminating need to cook, etc.



## **Tech Salon Program**





The Tech Salon Program features in-depth exchange of ideas among small groups of senior and young professionals, scholars, and entrepreneurs. Past events include topics like Artificial Intelligence, Finance, and Environmental Science.

Last September, in response to the raging wildfire season and air pollution concerns, CESASC partnered with the Chinese American Construction Professionals (CACP) to host the new environmental science themed Tech Salon. Our speakers introduced how air pollution affects our health conditions, what we can do to protect ourselves from air pollution caused by wildfires, and how we can improve indoor air quality.

Last November, CESASC partnered with Southern California Chinese-American Environmental Protection Association (SCCAEPA) and hosted our first wildlife protection themed salon. Our guest speakers introduced the current situation of wildlife preservation and protection for both lions in Africa, and mountain lions in California.

Recordings of past salon events can be found on our CESASC YouTube Channel. If you are interested in joining our program, or even hosting the salon of your own topic, please contact us at info@cesasc.org.



## **Tech Salon Program**

#### 09/19/2020 Wildfire and Protection against Air Pollution



Dr. Yifang Zhu (朱怡芳) serves as professor in the Department of Environmental Health Sciences, UCLA, and was appointed to California Air Resource Board's Research Screening Committee in 2014. Her research interest is primarily in the field of air pollution, environmental exposure assessment, and aerosol science and technology. She received several national awards, including the Walter A. Rosenblith New Investigator Award from the Health Effects Institute, the Faculty Early Career Development Award from the National Science Foundation, and the Haagen-Smit Prize from Atmosphere Environment. She graduated from Tsinghua University in 1997 and received her Ph.D. in Environmental Health Sciences from UCLA in 2003.



**Dr. Qunfang Zhang** (張群芳) is a Staff Air Pollution Specialist in Indoor Exposure Assessment Section at California Air Resources Board. Her responsibilities include developing and managing research contracts, conducting in-house research, assessing health impacts of policies and regulations, and responding to public inquiries. She worked extensively with other government agencies, standard organizations, and industry representatives to provide technical comments and help adopt latest research findings in the development of policies and standards. She received her Ph.D. degree in Environmental Health Sciences from UCLA.



Mr. Yichung Chang (張翼忠) is a Professional Engineer registered with licenses from California, Nevada, Texas, Oregon, and Idaho. He founded HYC Consulting Engineers, Inc. in 1994 and provides complete design service of mechanical, electrical, plumbing, and energy demands for commercial, residential, industrial and institutional projects. He received his Bachelor's Degree in Mechanical Engineering from the National Taiwan University, and his Master's Degree in Mechanical Engineering from Washington University in St. Louis, Missouri.



## **Tech Salon Program**

#### 11/07/2020 Preservation and Protection of Lions



**Dr. Xudong Jia** (賈旭東) is the Associate Dean and Professor of College of Engineering and Computer Science, California State University, Northridge (CSUN). Before joining CSUN, Dr. Jia served as the Chair of the Civil Engineering Department at California State Polyethnic University, Pomona (Cal Poly Pomona). Dr. Jia is a champion of academic excellence, research, and innovation in diversified and inclusive learning environments at Cal Poly Pomona and CSUN. He received the Chi Epsilon's James M. Robbins National Award for "Excellence in Teaching" in 2020 and the Cal Poly Pomona's Provost Award for Excellence in Scholarly and Creative Activities in 2019.



Simba Qiang Zhuo (星巴) is a National Geographic Chinese Explorer, and he is the first Chinese to establish a wildlife conservation organization in Africa. He is the author of "Living with Lions in Africa", and his legendary experience has been filmed into a number of documentaries, including the History Channel Documentary "Lionheart". Simba has been living with lions in Africa for many years, exploring community conservation model and turning pastoral areas into wildlife protected area. Simba also founded the Nature Guardian Wildlife Conservation Center in order to improve wildlife habitat protection in China.



**Ms. Ulan** (烏蘭) is the Director of China Association for International Cultural Exchanges with Overseas Chinese (ICEA). She is the CEO of Nishan International Inc, an influencer of new media in Little Red Book, and a researcher of Confucius Institute of China. She is also a famous host in Los Angeles.



#### **STEM | SEMINAR SERIES**

#### Preparing Future Generations to Careers Success!

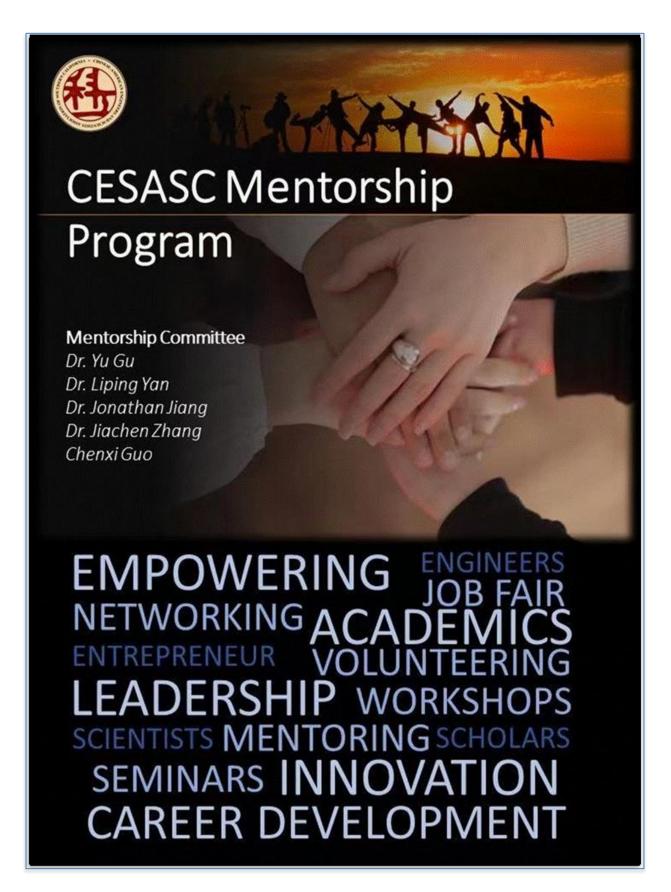
CESASC Science, Technology, Engineering, and Mathematics (STEM) Seminar Series emphasize preparing future generations to be successful in their careers. We teach students at all levels, and communicate with their parents and teachers, to provide real-world examples and applications in STEM fields. CESASC STEM activities help preparing students who move into society, industry and academics with valuable skill sets that allow them to be successful.



It is pretty hard to pursue career in STEM fields if you can't seem to find something you'd love doing. CESASC seminar series bring together inspiring stories of how we change our daily experiences to achieve some of the most important breakthroughs in science and technology. We teach students more than science and mathematics concepts to answer career questions including "What determines success?" "How can we excel in science and technology?", "Where does passion come from?" and "How industry and academic institutes select best future scientists and engineers?"

Dr. Ying Zhan Dr. Jonathan H. Jiang
CESASC STEM Chair CESASC STEM Co-Chair







## PHOTO RECAPTURES 2020 - 2021 CESASC Activities



CESASC volunteers worked with Director Ang Lee for his keynote speech in the 58th convention (8/2020)



~500 people attended the 58<sup>th</sup> CESASC annual convention, a first-time-ever online meeting, including CESASC founder Henry Chai (at the right-bottom corner) who passed away a month later. RIP, Henry! (8/2020)





"Science Meets Art" was the theme of the 58<sup>th</sup> convention (8/2020)



"The Future of Hollywood" featuring two-times Oscar best director winner Ang Lee (8/2020)



Famous Chinese-American actress Lisa Lu attended the 58th convention (8/2020)



"Space Travel" featuring Monica Jan from Virgin Orbit (8/2020)

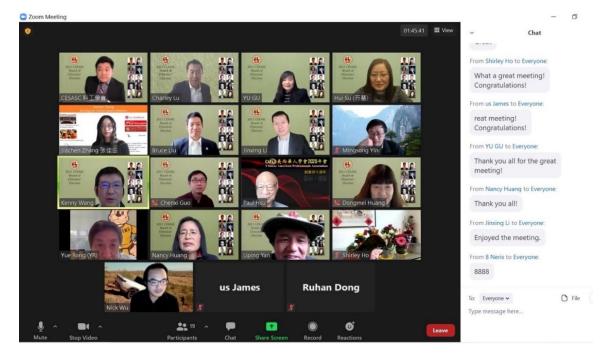


The traditional mid-Autumn gathering of former CESASC leaders went to online (9/2020)





2020 CESASC Christmas Party on Zoom (12/2020)



An online debating meeting was created first-time for the CESASC board of director election (3/2021)

# Lisa Lu Foundation

# 卢燕基金会



#### **CONGRATULATE** the

executive team of 59th CESASC Annual Convention for producing an outstanding visual experience for all of us to enjoy! I sincerely hope the young Chinese-American artists and scientists will inherit from CESASC the spirit of seeking excellence with unwavering pursuit to obtain their highest accomplishments in art and science.

#### **CONGRATULATE** the

three "Lisa Lu Scholarship" recipients, Yiwei Lu, Maggie Ding and Niuyue Zhang. You impressed me with your enthusiasm, persistence towards excellence and your technical knowledge and passion for film.



"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 Sie Scholar recipient, Louis Wong, Undergraduate student, Communication, USC."



Jolff.

THE ANNA AND JOHN J. SIE FOUNDATION SUPPORTS THE SHARING OF KNOWLEDGE AMONGST PEOPLES AND CULTURES THROUGHOUT THE GLOBAL COMMUNITY, WITH AN EMPHASIS ON INTERNATIONAL SECURITY AND DIPLOMACY, MEDIA, EDUCATION, ARTS AND CULTURE AND IS A LEADER IN FUNDING PROGRAMS AND ORGANIZATIONS THAT ARE DEDICATED TO IMPROVING THE LIVES OF PEOPLE WITH DOWN SYNDROME. THE FOUNDATION ESTABLISHED THE SIE CHEOU-KANG CENTER FOR INTERNATIONAL SECURITY AND DIPLOMACY AND THE CHINESE EXECUTIVE MEDIA MANAGEMENT PROGRAM, AN IMMERSION PROGRAM FOR MEDIA EXECUTIVES FROM CHINA, BOTH AT THE UNIVERSITY OF DENVER. THE FOUNDATION IS A FOUNDING DONOR OF THE LINDA CRNIC INSTITUTE FOR DOWN SYNDROME, ANNA AND JOHN J. SIE CENTER FOR DOWN SYNDROME AT CHILDREN'S HOSPITAL COLORADO, AND SUPPORTS NUMEROUS OTHER CIVIC, SOCIAL AND EDUCATION INSITITUIONS INCLUDING THE SIE FILMCENTER, DENVER ART MUSEUM, AND DENVER SCHOOL OF SCIENCE AND TECHNOLOGY.

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## International STEAM Education Association

Team members of ISEA are made up of parents, engineers, teachers, college students and scientists.

Founded in Los Angeles by experienced Tech and Education entrepreneurs and established as a non-profit association with a mission to support STEAM education through providing network resources, organizing science and technology public welfare lectures, holding non-profit courses, sharing world-leading scientific and technological information, hot technology topics, exploring the possibilities and needs of youth STEAM education, promoting international STEAM education exchange, sharing of resources platform to build a border-less bridge for STEAM education and providing opportunities to volunteer and participate in extracurriculars. ISEA is also an official certifying organization for the President's Volunteer Service Award.

ISEA is providing different levels of online synchronous instruction for K-12 students, including scientific enlightenment, programming foundation, coding with various programming languages, robotics programming, 3D graphics design, 2D \3D game design & programming, and leading robotics teams to participate in competitions all over the world. Courses are supported and sponsored by two companies, SuperCoding Inc. and Edubot Inc., engaged in online programming and in person robotics education for young students.





Please visit ISEA website for more information: www.internationalsteam.org
Contact ISEA at team@internationalsteam.org







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# CESASC

# Chinese-American Engineers and Scientists Association of Southern

#### **Nobel Laureates:**













Steven Chu

Founded in 1962, CESASC is one of the largest and most prestigious Chinese American professional organizations in Southern California.

Chen-Ning

Franklin Yang Lee

Ting

Tsung-Dao Samuel C. C. Yuan-Tseh Lee

Sir Charles Kuen Kao

Outstanding People:













CESASC is extremely honored to have so many Chinese American "celebrities" as our past speakers and awardees.



Chu

Ching-wu Chien Shu

Theodore Yaotsu Wu



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#### Joint Statement of

Chinese University Alumni Association Alliance of Southern California (CUAAASC)

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

Chinese-American Oceanic and Atmospheric Association Southern California Chapter (COAA-SCC)

#### Statement Regarding the Recent Anti-Asian Hate Crimes







CUAAASC

CESASC

COAA-SCC

The Asian American community was shocked as six of the eight innocent people brutally killed in the Atlanta shootings were of Asian descent. We have all seen a 70-year-old Asian man get killed after being pushed down on the street; and we have seen Asian elders get beaten and punched in broad daylight. Those crimes were among nearly 4,000 anti-Asian hate incidents perpetrated during the COVID-19 pandemic. Recently Asian Americans have been increasingly attacked and harassed. The sharp increase in Asian hate crimes raise alarms for both Asian American communities and the nation as a whole. There is both visible and invisible discrimination against people of Asian heritage. CUAAASC, CESASC and COAA-SCC, We three organizations will not tolerate crime, racism, or xenophobia in action or in language targeting Asians in America. These crimes, and other acts of hate and bias, have no place in our community. In light of what happened this week and throughout this past year, we must take immediate action to fight back. We want to emphasize that a criminal act against Asians, because of their ethnicity or national origin, is a hate crime. We urge members of our community to report hate-based crimes to law enforcement, to disclose hate-based incidents to the media and to communicate with civil rights associations so as to protect ourselves and prevent future incidents against all minorities including African, Asian and Hispanic Americans, etc. We thank the mainstream media, the federal and state law enforcement agencies, and mainstream organizations for their overwhelming support of Asian American Communities. In addressing a recent anti-Asian hate crime, President Biden declared that "It is wrong, it is un-American and it must stop."

#### *Introduction of three organizations:*

CUAAASC: The Chinese University Alumni Association Alliance of Southern California, representing 65-member alumni associations and over 50,000 alumni in Southern California. <a href="https://www.cuaaasc.org">https://www.cuaaasc.org</a> CESASC: The Chinese-American Engineers and Scientists Association of Southern California Founded in 1962, CESASC is one of the largest and most prestigious Chinese American professional organizations in Southern California. <a href="https://cesasc.org">http://cesasc.org</a>

COAA-SCC: It is the Chinese-American Oceanic and Atmospheric Association Southern California Chapter, COAA is a non-profit organization founded in 1993 to facilitate networking among oceanic and atmospheric professionals, promote interests and professional excellence, and provide technical exchange and career opportunities. <a href="https://coaascc.wordpress.com/">https://coaascc.wordpress.com/</a>

March 18th 2021



### In Loving Memory of Founder of CESASC - Mr. Henry W. S. Chi (戚文祥)

# By Chinese-American Engineers and Scientists Association of Southern California (CESASC) Board of Directors, Advisors December 24, 2020

Mr. Henry W. S. Chi (戚文祥) passed away on November 27, 2020 at the age of 97. He and his wife Dr. Lois Lok Yee Wang Chi (戚王爾樂, May 12, 1921 - April 6, 2019) co-founded CESASC over 58 years ago. He was the Founding President of CESASC (then named the Chinese Engineering Society of Southern California until 1967).

Henry was born on March 25, 1923 in China. He graduated from Shanghai Jiao Tung University in 1946. In 1948 he came to the United States for his graduate studies. He obtained an MS degree in Civil Engineering from the University of Southern California (USC) in 1949. While at USC, Henry got to know Lois, and married her in 1956. They raised three children, Lanie, David and Joycelyn. He and Lois were married for a happy 63 years and were considered a "model couple" among their friends with their love of travel, emphasis on education, philanthropy and public outreach.

After graduation from USC, Henry started his career as a structural engineer. He was a noted and highly accomplished engineer. His firm-- Goldsmith, Chi and Associates-- was responsible for the engineering design of many projects throughout California and the western USA. Some of the buildings designed by Henry and his staff have become landmarks in the area.

CESASC was founded in 1962, with Henry serving as the first president. Since then, Henry devoted much of his time and energy acting as a former president, an advocate, an advisor, and a guardian to the Association. He was warm-hearted, humble, and passionate. He inspired so many people in our community to reach their potential. Because of his efforts, CESASC has been able to attract many Chinese-Americans to come together, and to be represented not only in Southern California, but also throughout the country. CESASC has been an active, thriving organization in Southern California for several generations now, and continues to lead as such. CESASC's tradition of promoting and encouraging both the scientific and engineering fields was always Henry's directive. The Chinese-American community is all the better for this. We are honored and blessed to have known him. His great contributions to society and especially to CESASC will be remembered by all its members. He will remain a role model for younger generations to carry on CESASC's legacy in the years to come.

The CESASC Board of Directors has decided to establish a scholarship in Henry Chi's name. In addition, a technical symposium in honor of him will be held at our annual convention.

May our well-respected and beloved friend, Henry W. S. Chi rest in peace!









# A Tribute to Mr. Henry Chi

Peter Dai (戴廣勳/1976 CESASC President)

Prior to the spring of 1966, I did not know who Mr. Henry Chi was. I moved my family to Los Angeles from Mid-West a week before Christmas 1965 to join a wave of aerospace engineers coming to the sunny Southern California to work in the then new national priority Space Programs. Upon the suggestion of my brother-in-law, Mr. Stone Chen, we soon bought a house near his residence in the Dominguez Hills new housing tract area. A few weeks after we moved in to our new dwelling, Mr. and Mrs. Henry Chi came calling one evening. After their self-introduction, we learned that they were neighbors in this new housing tract, and they just wanted to welcome us, new Chinese neighbors, who also happened to be engineers, to the neighborhood. I then learned that Henry was a Licensed Structural Engineer running a successful Engineering Consulting Firm in the West LA area, and Mrs. Chi, a very accomplished scientist, Dr. Lois Chi, was a professor teaching at Cal State University Dominguez Hills. Henry then extended an invitation to me to join his newly formed Chinese Engineers and Scientists Association of Southern California (CESASC) which was started by himself and several good friends of his. I found him to be very sincere and persuasive, so I signed up. I was then privileged to be introduced to many of his good friends including Professor Tung Po Lin of Cal State Northridge, Mr. Paul Leung of Bechtel Corporation, Mr. Kam Wong of Hughes, Mr. Norman Au of Hughes, and many others each was very accomplished in his own respective field. That was 55 years ago!

We laid out plans to have several meaningful professional events every year. We would hold an Annual Convention to recognize outstanding engineers and/or scientists, and we elect a new President every year. Henry was always very enthusiastic helping out with plans for selected meaningful activities for the Association. Those years of 1960s and 1970s were exciting years for engineers and scientists! US were competing with Russia in Science and Technology. We witnessed the great engineering achievement of First Lunar Landing in 1969. In the subsequent years, US were continuing to move out on many fronts including several Manned and Unmanned Space Explorations. More importantly, the nation was investing heavily on R&D in the fields of Space Communications, Space Navigation, Energy Alternatives, Medical Science, Personal Computers, Information Management, ..... and later in Cellular phones, Advanced Chip making, Internet, etc. It has been a glorious age for Engineers and Scientists, and Henry had the foresight of providing a useful platform to benefit Southern California Engineers and Scientists for meaningful professional and social interactions and. I am just amazed to see the changes of the site of CESASC Annual Convention from the early days of 1960s at the Golden Palace Restaurant in Chinatown to the great Ballrooms of major hotels. Yes, CESASC has come a long way from its humble days of early 1960s. Every year at the Annual Convention, CESASC has been honored to have a very distinguished keynote speaker, and also notable honorees of great achievements in various fields of science and engineering. Yes, I can see my old friend, Henry, having a big smile on his face seeing his little CESASC growing to become such a major Professional Society.

Yes, Henry, I am proud to be a member of CESASC, and I miss you!



#### In Loving Memory of CESASC Founder, Mr. Henry Chi

We were saddened to hear the news of Lois passing earlier and Henry's now.

When my husband and I started our engineering career in the 1980s, we joined CESASC. We witnessed first-hand the leadership and dedication of Henry and Lois at the time when Chinese were small minorities in the technical world. They were founders of CESASC and tireless in promoting our presence in the mainstream society. They truly were our inspiration and role models.

Our regards to their son and daughters. We want them to know that their parents will always be alive in our hearts.

Tim & Cc Yu (1982 Vice-President)	

It was a big shock to hear Lois and Henry's' passing!

Their visions of founding and impacts of cultivating CESASC in the past half-century have made them role models for all of us. Henry and Lois will be remembered for their leadership, enthusiasm, and love of family and friends. Over the years, we have greatly enjoyed our pre-holiday gatherings which were filled with nice conversations and warm friendship. Their spirits will continue to guide CESASC. May Henry and Lois Rest in Peace.

哲人雖已遠, 然其不朽精神, 仍將繼續護佑我中華科工, 更上層樓!

Chih-Ming & Shirley (何志明 & 張翠姝/1988 & 2004 Presidents)

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It was sad for CESASC to loss its founder Henry Chi, who had closely guided and accompanied several "generations" of CESASC members for over 58 years from 1962 to 2020. Henry and his wife Lois were always there when CESASC needed support and guidance. He was a dear friend with warm smile and patience and supports that I could count on for close to four decades.

Wei H. Kao (高為雄/1989 President)

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科工學會在邁向 60 年里程碑之際,放眼歷史,繼往開來。CESASC 聚華裔留美科技人才于一堂,領導科技群倫 ,表揚精英,鼓勵后進,群策群力,見證歷史,展望將來,新舊會員,與時俱進。戚文祥(Henry Chi)自創會始,領導科工學會,不斷注入精神力量,近半世紀,代代相傳,永續發展。六十年科技春秋,戚文祥圓夢南加!

We lost a great friend, CESASC lost a visionary leader! Bless you, Henry! We all miss you!

Edward Liu (劉漢忠/1990 President)



# The Henry Chi I Remember

I remember Henry as always smiling, his eyes almost disappeared into two lines, his mouth another big line. He was always optimistic, happy, enthusiastic, and positive thinking. He encouraged young people, he never overstepped his position as being the founder and insisted in his opinion and never gave up.

Henry was open minded. I remember he let his son to be free and doing what he liked, which is being a hair stylist. Never insisted that he should go into engineering or law or medicine.

Henry was full of life, even in his 80s, he and Lois remodeled their house into an ultra-modern, upscale resident. They loved dancing, I remember them dancing gracefully well into their 80s. I miss Henry and Lois. May they Rest in Peace.

Catherine Kwan (寧克嘉/1991 President)

I first met Henry in a CESASC annual banquet in the mid 1980's. He has a very warm and friendly personality. Henry and I became more acquainted with each other after I served the president of CESASC in 1993. He and his wife cared about CESASC so much that the two rarely missed CESASC events, formal or causal. Each time we met, Henry would always extend his cordial greetings. We are fortunate to have such a kind and dedicated gentleman as the founding president of this great organization. Henry will be missed and remembered by many of us.

George Chao (趙家鈞/1992 President)

It was incredibly and to hear about I loom, a public always considerate friend who was

It was incredibly sad to hear about Henry, a noble, always considerate friend who was of course, indispensable in defining CESASC's mission and spirit and continual influence on the technological professions for six decades. At a time that a small number of talented Chinese Americans were just entering the technical fields of America, Henry Chi founded and led a group who especially shared similar backgrounds and similar interests. They would grow and flourish as part of Southern California's exciting, expanding engineering, medical, and high-tech industrial and research institutions. Their accomplishments would be important to the great successes of this region. In His Memory we should and must carry on.

Munson Kwok (郭民生/1998 President)

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Henry will be best remembered as the founder of CESASC, even though he had involved in many other community organizations and activities throughout his lifetime. He realized early on the power and importance of mutual help and unity of fellow Asian Americans and left us with this powerful, influential and far-reaching community group of CESASC which is still going stronger after 59 years since its foundation.

Shan Lee (李珊/2005 President)



# **In Loving Memory of CESASC Founders**

Henry W. S. Chi (戚文祥) and Dr. Lois Lok Yee Wang Chi (戚王爾樂)

Year 2020 was a special year and a memorable flash point for mankind fighting against Covid-19. To CESASC members, it was an extremely sad year because our beloved Henry W. S. Chi ( 戚文祥) passed away at the age of 97, following his wife Dr. Lois Lok Yee Wang Chi (戚王爾樂 1921-2019)'s passing a year ago. Henry and Lois co-founded CESASC in 1962. Henry was the Founding President of CESASC, then named the Chinese Engineering Society of Southern California until 1967.

Henry and Lois, as co-founders, had tremendous impacts on CESASC and the broad Chinese-American community in Southern California. They brought decades of professionalism and volunteerism to the Association. Their relentless dedication and unselfish spirit inspired all of us. CESASC has been a leading Chinese-American professional organization in Southern California for nearly 60 years, thanks to Henry and Lois' persistent guidance and generous support. CESASC's tradition lies in *Professional Excellence* and *Community Service*, which have been carried on for generations. Henry and Lois contributed tirelessly to the growth of CESASC and the betterment of the Chinese-American community at large. We are honored and blessed to have known both of them in person. Their profound contributions to society and especially to CESASC will be remembered by all of us. They will be our role models forever. The legacy of CESASC will be carried on for decades to come.

May our beloved Henry and Lois rest in peace!

#### **Presidents:**

Shirley Ho (何張翠姝) (2004)

Wensheng Zhou (周文生) (2009)

Yiuman So (苏耀民) (2010)

Jason Wen (温俊山) (2011)

Yutao He(何宇滔) (2012)

Liping Yan(颜利平) (2013)

Dankai Liu(刘登凯) (2014)

Yue Rong (容躍) (2015)

Lan Saadatnejadi (茹蘭) (2016)

Dongmei Huang (黄冬梅) (2017)

Hui Su (苏慧) (2018)

Ping Zhou (周平) (2019)

Chunyu Lu (卢春雨) (2020)



#### Henry W. S. Chi – My Role Model

#### By Liping Yan (顏利平)

Early in the year of 1988, I made a phone call to Henry to ask for help with a visit to USA on behalf of my college classmate. I had not met Henry before that time and he was referred to me by one of the Chiao Tung/Jiaotong University alumni who is also a volunteer at CESASC. Henry immediately agreed to help. I was deeply impressed by his kindness!

Afterwards I met him and had many interactions with him through the activities organized by CESASC. He served CESASC with his whole heart and devoted himself to making the society better. I always felt warm and up-lifted when I saw his big smile and heard his encouraging words. He was truly a gentleman with a humble attitude. I have been inspired by him and learned from him to serve our community.

I am grateful to have been blessed by Henry. Although Henry passed away, he lives in my heart and will remain a role model for me. I will continue to gain strength and encouragement from his spirit. May Henry rest in peace!



At a gathering celebrating the life of Dr. Charles P. Wang (1979 President) on 9/6/2017 L to R – Mrs. Chao (Wife of George Chao), Henry Chi (1962 President), George Chao (1992 President), and Liping Yan (2013 President)



#### 4LEUNG, CESASC PRESIDENT, NAMED ASME HONORARY MEMBER

Dr. S. R. Lin (林勝榮), President 2000-2001

Mr. Paul Leung (梁佩璐), President of CESASC (1972), was named an Honorary Member of the American Society of Mechanical Engineers (ASME) in 1995.

The ASME is a 125,000-member worldwide engineering society focused on technical, educational, and research issues as well as establishing many industrial and manufacturing standards. Honorary membership is the Society's highest honor and its first honor. It is conferred *for distinguished service* that contributes significantly to the attainment of the goals of the engineering profession.

Mr. Leung's conferral was made during the Society's 1995 International Mechanical Engineering Congress and Exposition, November 12-17 in San Francisco. Mr. Leung is honored for "a lifetime of outstanding international contributions to the engineering profession in electric power generation and electric utility system planning, as well as engineering and economics; for distinctive contributions to ASME codes and standards development; for unprecedented, award-winning contributions to the technical literature related to electric utility engineering and economics; and for enduring contributions to engineering education."

Mr. Leung received his M.S. in mechanical engineering from Rice University, Houston, Texas, in 1952. He joined the Bechtel Corporation, Los Angeles, in 1953, contributing to turbine cycle analysis and performance testing of power plants. In the 1960s, he began to teach power plant courses at UCLA and California State University, Los Angeles, as an adjunct lecturer. In 1965, Mr. Leung was named principal engineer at Bechtel and later a Bechtel Fellow, responsible for the economic optimization of electric utility systems. He worked in the international arena, most often in Japan, South Korea, Taiwan, Egypt, and Mexico, managing electric system planning projects. Mr. Leung is the second Chinese American receiving the ASME Honorary Membership after Chancellor Chang-Lin Tien of UC Berkeley.

Mr. Leung has served on the ASME Board and Committee on Performance Test Codes for nearly 20 years. He was awarded the ASME Prime Movers Award for best technical paper an unprecedented five times. Some of his methods have since become industry standards. He is a Life Fellow of ASME, also the recipient of the ASME Centennial Medallion, the ASME James H. Potter Gold Medal, the Outstanding Engineering Merit Award, and the Industrial Contribution Award from the California Society of Professional Engineers.

Mr. Leung retired from Bechtel in 1987. Motivated by a strong belief that engineers have a social responsibility to use their knowledge to improve society, he has since donated his time lecturing in China and Taiwan, under the auspices of the United Nations Development Program. His lectures emphasize the need to attain social, economic, and energy growth in an environmentally responsible manner.

Mr. Leung is one of CESASC's founding members. Besides serving as CESASC President in 1972, he was also the President of the CESASC Scholarship Foundation from 1991 through 1993. With Mr. Leung's leadership, the Scholarship Foundation filed for the non-profit organization status in California, and we have enjoyed the tax exemption status since 1992. He is a life member and longtime supporter of CESASC. As a friend for nearly 40 years, I would like to salute Paul's great contributions to the US and the Chinese-American communities.

**59**<sup>th</sup>



# 與梁師和翁師及師母們喜團聚

(顏利平,2018年9月25日)

上週六(2018年9月22日)上午,我與梁佩璐(Paul P. Leung)老師和翁玉林(Yuk L. Yung)老師及師母們歡喜相聚。

1993 年由翁玉林先生髮起並主持的以"中華文化與中國現代化"為主題的"讀書研討班"在加州理工學院開班,梁佩璐先生是主要的講員,我是自始至終的學員。

梁佩璐先生是電力工程專家,1987年退休前長期任職於美國柏克德工程公司 (Bachtel)。他曾五次榮獲美國機械工程師學會"原動力設計獎";是1972年南加州中華科工學會(CESASC)的會長及1974年CESASC傑出成就獎得主。

翁玉林先生是加州理工學院地質與行星科學系的教授,美國藝術與科學院院士,台灣中央研究院院士,長期擔任加州理工學院中國同學會(Caltech C)的顧問,我擔任 Caltech C的主席時,他給予我許多的指導和支持。他曾榮獲美國太空總署頒發的傑出科學成就獎,也是 2014 年 CESASC 傑出成就獎得主。

"讀書研討班"另外還有兩位講課老師: 已故的黃伯飛(Parker Po-fei Huang, 1914 - 2008. 1. 5) 先生和已故的文席謀(Simou Wen, 1921 - 2005.1.20) 先生。

黄伯飛先生是詩人、報人,曾擔任《少年中國晨報》總編輯。 1985 年退休前,他在耶魯大學執教中國語文長達 33 年。我曾獲贈他 1999 年出版的《抒情短詩精選:英漢對照》。

文席謀先生是湖南醴陵人, 機械製造和機電工程設計專家。退休來美國前任台北美商華昌國際公司總工程師, 兼台灣大學機械工程系教授。他在文史及政論方面學養深厚, 頗有見解。我主編《海外湘音》時, 他是我的顧問。

梁佩璐先生與文席謀先生在"讀書研討班"上講課的內容部分收錄在 1996 年出版的他俩合著的《系統分析中國文化與國情》一書中。

光陰荏苒,四分之一世紀一晃就過了!看著兩位恩師,學生我充滿喜悅,感慨萬千!



照片: 我與翁師母(伊犁), 翁玉林先生, 梁佩璐先生, 梁師母(餘揚英)合影

**59**<sup>th</sup> CESASC Anniversary Journal





#### **Chinese-American Engineers and Scientists Association of Southern California**

www.cesasc.org info@cesasc.org Fackbook.com/CESASC

#### **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 members' 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 Chinese American Museum (CAM) as the recipient of the *Excellence in Science and Engineering Leadership Award* in CAM's 15th Annual History maker's Awards Ceremony. In 2019, CESASC was recognized as the recipient of the *2019 Community Partner of the Year* by Chinese-American Elected Officials (CEO).

#### **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 Symposiums**

To promote technology advancement for its members, CESASC has sponsored annual Technical Symposiums 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 co-sponsored with UCLA an International Symposium on Materials for Enabling Nanodevices (ISMEN). In 2016, CESASC collaborated with UCLA Sustainable LA Grand Challenge to serve the Los Angeles community.

#### Programs (Scholarship, STEM, Business Innovation Competition, Arts-Tech Poster Contest)

The enrichment of youth program has been one of our important goals 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 Symposiums. In 2012, the CESASC launched a STEM program for local middle and high school students to promote STEM education. In 2015, CESASC started Student Business Innovation Competition, which serves as a launch pad for innovative business ventures from aspiring student entrepreneurs by providing mentoring and exposure. In 2018-2019, CESASC and the Cultural Foundations of Zhendai He USA (CFZH) jointly launched an Arts-Tech Poster Contest to promote the fusion of arts and science/technology. In 2020, CESASC and UCA (United Chinese American) jointly launched "Creativity again COVID-19" Multimedia Art Contest.

#### **Industrial Relations**

CESASC brings together all segments of engineering and science by reaching out to 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 added 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 USA.

#### **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,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、高科技企業公司、及政府管理部門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,就業與教育相關資訊分享,以及開展社區服務活動。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)。2019年科工會榮獲美國華裔民選官員協會(Chinese-American Elected Officials)年度社區合作夥伴獎(Community Partner of the Year 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、加州大學圣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,著名导演李安等。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,許多獎學金獲得者成為學界翹楚或行業精英,有的更因其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激勵。

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作出的貢獻。

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。

具有五十九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。



# **CESASC Former Officers and Directors** 1962-2021

Year	Chairman	President	Vice-President	Secretary	Treasurer	Directors
1962		Henry Chi		Sherwin Chan	Charles Yen	
1963		Norman Au		Yi-Jin Liu	James C. Liu	
1964		Tung-Hua Lin		Eugene Tsao	Lewis Au	
1965		Chung-Ming Wong		Frederick Liu	Wellington Loh	
1966		Fred Liu	V. H. Ho	Sherman Yu	David Huang	
1967 1968		Theodore Wu Ju Chin Chu	Tung Po Lin Kam L. Wang	Kam Wong Chia Huan Lee	Sheng To Chu Sai Fu Lee	Theodore Wu, F. F. Liu, C.M. Wong
1969		Lewis L.T. Au	Tung Po Lin	Margaret Tan	Sui-An Fung	Ju-Chin Chu, Theodore Wu, Fred F. Liu
1970		Wellington Loh	Paul Yeh	C. P. Tung	Huang Chao	Lewis Au, Ju-Chin Chu, Theodore Wu
1971		Paul Yeh	Jim Gee	Ming Moy	C. W. Chien	Wellington Loh, Lewis Au, Ju Chin Chu
1972	Paul Leung	Paul Leung	Stu Y. Lee	K. C. Chiang	Paul Lem	Tung-Hua Lin, Henry Chi, Kam L. Wong
1973	Kam L. Wong	Tung-Po Lin	Raphael E. Ting	Wen Ling Kuo	Irving Chen	Henry Chi, Paul Leung
1974	Kam L. Wong	Steven Tang	Lois Chi	Wen Ling Kuo	Sam Gee	Paul Leung, Tung Po Lin
1975	Tung Po Lin	K. C. Chiang	John N. Chan	Peter K. Dai	David W. Kwan	Paul Leung, Steven S. Tang
1976	Tung Po Lin	Peter Dai	S.S. Kwong	Teresa Sun	David Liu	Steven S. Tang, K. C. Chiang
1977	Peter Dai	John Chan	Lily Wang	Charles Wang	Tenly Fong	Steven S. Tang, K. C. Chiang
1978	K. C. Chiang	S. S. Kwong	Louise Huang	Heeman Wong	Tenly Fong	Peter Dai, John Chan
1979	Peter Dai	Charles Wang	Catherine Kwan	Tennyson Wang	Sherman Yu	John Chan, S. S. Kwong
1980	Charles Wang	Tennyson Wang	Jay C. Chen	Roger Fan	Housen Lee	John Chan, S. S. Kwong
1981	Charles Wang	Han C. Leung	Munson Kwok	Jay C. Chen	Fleur W. Yano	S. S. Kwong, Tennyson Wang
1982	Tennyson Wang	Sui-An Fung	Timothy Kar Yu	William Chang	Fleur W. Yano	Han C. Leung, Charles Wang
1983	Tennyson Wang	Shih-Yuan Chen	Timothy Kar Yu	Grace Hu	Fleur W. Yano	Sui-An Fung, Han C. Leung
1984	Sui-An Fung	Frank Wang	Lois Chi	D. N. Yin	T. S. Fu	Shih-Yuan Chen, Han C. Leung
1985	Shih-Yuan Chen	Chieh Sun	Shui-Lin Chao	Sherman Yu	Daniel Wong	Sui-An Fung, Frank Wang
1986	Chieh Sun	Shui-Lin Chao	Sherman Yu	Chih-Ming Ho	Edward Liu	Sui-An Fung, Frank Wang
1987	Frank Wang	Sherman Yu	Chih-Ming Ho	Tom Sun	T. J. Wang	Shui-Lin Chao, Chieh Sun
1988	Chieh Sun	Chih-Ming Ho	Wei Kao	Pong Chao	Y. S. Wang	Shui-Lin Chao, Sherman Yu
1989	Sherman Yu	Wei Kao	Edward Liu	Wennie Wu	Richard Sheng	Shui-Lin Chao, Chih-Ming Ho
1990	Chih-Ming Ho	Edward Liu	Tom Sun	Wai-Min Liu	Richard Sheng	Wei Kao, Sherman Yu
1991	Wei Kao	Catherine Kwan	Kung Yao	T. C. Wang	Richard Sheng	Chih-Ming Ho, Edward Liu
1992	Edward Liu	George Chao	Philip Chen	Gan-Tai Tseng	Albert Hsieh	Wei Kao, Catherine Kwan
1993	Edward Liu	T. J. Wang	Eastwood Im	Elizabeth Kay	Albert Hsieh	George Chao, Chih-Ming Ho, S.R. Lin, Kung Yao
1994	George Chao	Eastwood Im	Kung Yao	Elizabeth Kay	Michael Chan	Wei Kao, S. R. Lin, T. J. Wang, T.T. Yang
1995	Sherman Yu	Kung Yao	Michael Chan	Philip Chen	Elizabeth Kay-Im	Eastwood Im, Munson Kwok, Jiin-Jen Lee, S. R. Lin, T. J. Wang, T. T. Yang
1996	Kung Yao	Elizabeth Kay- Im	John Chen	T. J. Chou	Rosalind Lee	Eastwood Im, Munson Kwok Jiin-Jen Lee, Sherman Yu
1997	Eastwood Im	Tientsai Yang	Munson Kwok	C. Y. Chang	Pin Fun Tsai	Elizabeth Kay-Im, Jiin-Jen Lee Sheng-Rong Lin, Kung Yao
1998	Elizabeth Kay- Im	Munson Kwok	Jiin-Jen Lee	Shen Li	Tiffany Chiu-Mou	Michael Chen, S. R. Lin T.T. Yang, Kung Yao
1999	Wei Kao	William Chang	Sam Feng	Shen Li	Tiffany Chiu	Munson Kwok, Michael Chan, T. T. Yang, Charles Sie, Elizabeth Kay-Im



# **CESASC Former Officers and Directors** 1962-2021

Year	Chairman	President	Vice-President	Secretary	Treasurer	Directors
2000	Munson Kwok	S. R. Lin	Kang Wang	Barbara Nakamura	Shen Li	William Chang, Sam Feng, Wei Kao Charles Sie
2001	Munson Kwok	Edward Liu			Shen Li	William Chang, Henry Chi, Sam Feng, Wei Kao, S.R. Lin, Charles Sie
2002	William Chang	Charles Wang	Liping Yan	Muriel Ho	Shen Li	Amy Chen, Henry Chi, S. R. Lin Charles Sie
2003	William Chang	Charles Wang	Liping Yan	Muriel Ho	Shen Li	Amy Chen, Henry Chi, Charles Sie
2004	Charles Wang	Shirley Ho	Shan Lee Liping Yan		Shen Li	William Chang, Elizabeth Kay-Im, Edward Liu, Charles Sie
2005	Shirley Ho	Shan Lee	Sikun Lan	Konrad S. H. Zhu	Linda Chen	Elizabeth Kay-lm, Charles Sie Charles Wang, Liping Yan
2006	Shan Lee	Sikun Lan	Christine Xu	David K. Lee	Linda Chen	Shiuan Chen, Shirley Ho Elizabeth Kay-Im, Konrad Zhu
2007	Shan Lee	Sikun Lan	David K. Lee	Manwai Szeto	Jennifer Feng	Jia Ming Chen, Shiuan Chen, Will Chou Manwai Szeto. Wensheng Zhou, Konrad S. H. Zhu
2008	Sikun Lan	David K. Lee	Wensheng Zhou	Manwai Szeto Ying Zhang	Crystal Chen Manwai Szeto	Jia Ming Chen, Katherine He Wei Kao, Jason Wen, Fonda B. Wu
2009	Wei Kao	Wensheng Zhou	Yiu Man So	Ying Zhang	Manwai Szeto	Youping Gao, Katherine He, Sikun Lan, David K. Lee, Jason Wen, Fonda B. Wu
2010	Shirley Ho	Yiu Man So	Jason wen	Yutao He	Manwai Szeto	Joseph Chen, Youping Gao, David K. Lee, Allison Tong, Xu Yin, Wensheng Zhou
2011	Shirley Ho	Jason Wen	Yutao He	Youping Gao	Manwai Szeto	Joseph Chen, Shan Lee, Yiu Man So, Allison Tong, Mingsong Yin, Xu Yin, Wensheng Zhou
2012	Jason Wen	Yutao He	Liping Yan	Youping Gao	Manwai Szeto	Joseph Chen, Alex Hsu, Sheng-he Huang, Shan Lee, Nancy Lin, Dankai Liu, You Man So, Mingsong Yin
2013	Yutao He	Liping Yan		Mingsong Yin	Manwai Szeto	Joseph Chen, Alex Hsu, Sheng-he Huang, Nancy Lin, Jason Wen, Peter Zhang
2014	Liping Yan	Dankai Liu	Yue Rong	Alex Hsu	Manwai Szeto	Joseph Chen, Yutao He, Jerry Huang, Sheng-he Huang, Zhaofeng Huang, Yingdi Liu, Peter Zhang
2015	Dankai Liu	Yue Rong	Lan Saadatnejadi	Dongmei Huang	Manwai Szeto	Xiwu Cao, Joseph Chen, Yutao He, Jill Long, Hui Su, Liping Yan, Peter Zhang
2016	Yue Rong	Lan Saadatnejadi	Dongmei Huang	Hui Su	ManWai Szeto	Xiwu Cao, Ja Fan, Yutao He, Jill Long, Wanwan Yang, Yang Yang, Peter Zhang
2017	Lan Saadatnejadi	Dongmei Huang	Hui Su	Jia Fan	Manwai Szeto	Yu Gu, Yutao He, Jill Long, Yue Rong, Charles Wu, Wanwan Yang, Yang Yang
2018	Dongmei Huang	Hui Su	Ping Zhou	Jia Fan	Yu Gu	Yutao He, Jill Long, Charley Lu, Lan Saadatnejadi, Charles Wu, Ying Zhan
2019	Hui Su	Ping Zhou	Charley Lu	Jia Fan	Yu Gu	Dongmei Huang, Nancy Huang, Xudong Jia, Bruce Liu, Kenny Wang, Ying Zhan
2020	Ping Zhou	Charley Lu	Bruce Liu	Jia Fan	Yu Gu	Nancy Huang, Xudong Jia, Hui Su, Kenny Wang, Ying Zhan, Mingsong Yin,
2021		Bruce Liu	Yu Gu	Terry Guo	Nancy Huang	Ping Zhou, Xudong Jia, Kenny Wang, Ying Zhan, Jingxing Li, Jiachen Zhang, Charley Lu



#### **ACKNOWLEDGEMENTS**

#### 2020-2021 Board Members and Officers

President: Charley Lu (盧春雨)Secretary: Jia Fan (范佳)Vice President: Bruce Liu (劉玉發)Treasurer: Yu Gu (古瑜)

Chairperson of the Board: Ping Zhou (周平)

Board Members: Nancy Huang (黄楠), Xudong Jia (賈旭東), Hui Su (蘇慧), Kenny Wang (汪康熙),

Mingsong Yin (殷明松), Ying Zhan (戰穎)

Honorary Advisory Board Members: Xuemei Chen (陳雪梅), Shirley Ho (何張翠姝), Wei H. Kao (高爲雄), Dankai Liu (劉登凱), S. Joe Qin (秦泗釗), Yue Rong (容躍), Jason Wen (溫俊山), Liping Yan (顏利平), Henry Yang (楊祖佑), Yang Yang (楊陽)

#### **Executive Committees:**

**CESASC Board Nomination Committee**: Ping Zhou (Chair), Hui Su, Dongmei Huang, Shirley Ho, Dankai

Liu, Yue Rong, Jason Wen, Liping Yan

Convention Committee: Nancy Huang (Chair), Charley Lu, Ping Zhou

Fundraising Committee: Bruce Liu (Chair), Jonathan H. Jiang, Charley Lu, Hui Su, Ying Zhan, Ping Zhou,

Jiachen Zhang

**Technical Symposium Committee**: Kenny Wang (Chair), Charley Lu, Chenxi Guo, Hui Su

Business Innovation Forum Committee: Chenxi Guo (Chair), Bruce Liu, Charley Lu

Tech Salon Committee: Chenxi Guo (Chair), Jiachen Zhang, Xudong Jia

CESASC/Lisa Lu Scholarship Committee/Judges: Xudong Jia (Chair), Jinxing Li, Yu Gu, Dongmei Huang,

Kenny Wang

CESASC-JHT Scholarship/Essay Contest Committee /Judges: Jonathan Jiang (Chair), Ying Zhan (Co-

Chair), Jinxing Li, Yu Gu, Chenxing Zhai, Liping Yan, Nancy Huang, Charley Lu

STEM Committee: Ying Zhan (Chair), Jonathan H. Jiang (Co-Chair), Jinxing Li, Nancy Huang

Award Selection Committee: Ping Zhou (Chair), Charley Lu

Young professional and Volunteer Management Committee: Jinxing Li (Chair), Chenxi Guo

**Public/Media Relation Committee:** Hui Su (Chair), Liping Yan (Co-Chair), Chenxi Guo, Weiqun Chen **Web Management and Social Media:** Mingsong Yin (Chair), Jia Fan (Co-Chair), Chenxi Guo, Jinxing Li,

Peter Zhang

**Anniversary Journal Committee:** Nancy Huang (Chair), Dongmei Huang(co-Chair)

Anniversary Journal Cover Design and Convention Flyer Design: Xue Li

## 2021-2022 Board Members and Officers

President: Bruce Liu (劉玉發)Secretary: Chenxi Guo (郭辰曦)Vice President: Yu Gu (古瑜)Treasurer: Nancy Huang (黄楠)

Chairperson of the board:

Board Members: Xudong Jia (賈旭東), Ping Zhou (周平), Kenny Wang (汪康熙), Ying Zhan (戰穎),

Jiachen Zhang (张佳辰), Jinxing Li(李金星), Charley Lu (盧春雨)



# **Message from Incoming CESASC President**

May 11, 2021

Dear CESASC members and friends:

My name is Bruce Liu and I am honored to serve as CESASC President of 2021/2022.



Founded in 1962, CESASC has a long legacy inspiring and supporting numerous Chinese American engineers and scientists in their career advancement and entrepreneurial endeavors. Next year, CESASC will celebrate its 60<sup>th</sup> anniversary and we will take this opportunity to reach new heights.

First, we will review the milestones and major accomplishments in CESASC's 60-year history.

Second, we will continue to build on those excellent existing programs and projects, including scholarships, Tech Salon, Business Forum, Technical Symposium, STEM Seminar, etc.

Third, we will seek feedbacks from our members and testing new programs under changing environment.

On behalf of CESASC 2021/2022 executive team, we welcome generous sponsors, diligent volunteers, and visionary collaborators to work passionately together to create a better and rewarding community.

Please check our website <a href="www.CESASC.org">www.CESASC.org</a> or Facebook page <a href="Facebook.com/CESASC">Facebook.com/CESASC</a> for latest information. You can also contact me directly at <a href="BruceLiu1996@gmail.com">BruceLiu1996@gmail.com</a> or 909-616-8695 to discuss your thoughts and ideas.

Sincerely

Bruce Liu, PhD

CESASC President 2021-2022



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