



南加州中華科工學會

Chinese-American Engineers and Scientists Association of Southern California  
Since 1962 in USA

# ANNUAL 58<sup>th</sup> CONVENTION JOURNAL



*Science  
Meets  
Art*

2020



## WELCOME MESSAGE

From CESASC President 2019-2020

August 29, 2020



Dear CESASC Members and Friends:

Welcome to the 58th CESASC Annual Convention. This is the first time ever we hold the convention on virtual platform since founded in 1962.

This year, we choose “Science Meets Art” as the theme to explore the intersections of two seemingly different disciplines. Through months’ preparation, we bring you two futuristic topics – “The Future of Hollywood,” featuring two-times Oscar Best Director, one of the most successful Chinese-American – Director Ang Lee (李安導演). And, making dream become true, Ms. Monica Jan, Sr. Director of Virgin Orbit will make keynote speech on “Space Travel.” During the scholarship award ceremony, you will meet our 13 scholarship winners including 3 newly-created Lisa Lu Scholars majoring film directing. Our STEM contest (aka. COVID-19 Art Contest) grows much bigger this year through the collaboration with United Chinese Americans (UCA) and Xing Memorial Fund. We also made special video to commemorate three former CESASC Presidents who recently passed away: Dr. Lois Chi, Dr. Frank Wang and Dr. Sherman Yu.

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. Yes, the pandemic changed everything we originally planned for this year. However, with the hard-work and dedication from our volunteers, CESASC has thrived with enhanced social-media reach, expanded scholarship program, larger STEM contest, and more technical events. I would like to thank all our volunteers and sponsors who made the wonderful online convention possible!

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

Sincerely,

*Ping Zhou*

Ping Zhou (周平), PhD  
President of CESASC



**CESASC**

南加州中華科學會



**U. S. SECRETARY OF TRANSPORTATION  
WASHINGTON, D.C.**



**CONGRATULATIONS AND BEST WISHES TO THE**

**CHINESE-AMERICAN ENGINEERS AND  
SCIENTISTS ASSOCIATION OF SOUTHERN  
CALIFORNIA (CESASC)**

**58<sup>TH</sup> ANNUAL CONVENTION  
“SCIENCE MEETS ART”**

AUGUST 29, 2020

*Elaine L. Chao* 趙小蘭

**ELAINE L. CHAO**



**JUDY CHU, Ph.D.**  
 27<sup>TH</sup> DISTRICT, CALIFORNIA

**COMMITTEE ON  
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August 29, 2020

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 58<sup>th</sup> Annual Convention – “Science Meets Art”.



The Chinese-American Engineers and Scientists Association of Southern California has been positively impacting the fields of Science, Technology, Engineering, and Mathematics. The 58<sup>th</sup> Annual Convention – “Science Meets Art” features innovative technologies for better sustainability, as well as provide a platform for engineering and science professionals to network and broaden exposure. 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, exploring the intersections of art and science.

I commend the 58<sup>th</sup> Annual Convention’s virtual attendees and would like to encourage the researchers to continue protecting the interests and rights of scientists and engineers through organized efforts. I also congratulate the Association’s successful efforts in building cross-cultural relationships through global and local networking.

On behalf of the United States House of Representatives and the people of the 27<sup>th</sup> 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, 27<sup>th</sup> District



## Keynote Speaker

### *The Future of Hollywood*



**Director Ang Lee**

李安導演

Ang Lee was born in Pingtung County, Taiwan. The son of a high school principal with traditional ideas about education, Lee chose to study theater in America instead. He went on to get an M.F.A. in Film Production at NYU. In 1990, Lee made his first feature, *Pushing Hands*. His films include *The Wedding Banquet* (Golden Bear, Berlin Film Festival), *Eat Drink Man Woman*, *Sense and Sensibility* (Golden Bear), *The Ice Storm*, *Ride with the Devil*, *Crouching Tiger, Hidden Dragon* (Oscar, Best Foreign Film), *Hulk*, *Brokeback Mountain* (Golden Lion, Venice Film Festival and Oscar, Best Director), *Lust, Caution* (Golden Lion), *Taking Woodstock*, *Life of Pi* (Oscar, Best Director), *Billy Lynn's Long Halftime Walk*, and *Gemini Man*. He lives in New York with his wife.

李安導演出生於台灣屏東縣。父親曾任高中校長，但李安沒有受傳統教育觀念的影響，他選擇在美國學習戲劇並在紐約大學獲得了電影制作的藝術碩士學位。1990年，李安拍攝了他的第一部故事片《推手》。他的代表作品包括《婚宴》(柏林電影節金熊獎)，《飲食男女》，《理智與情感》(柏林電影節金熊獎)，《冰風暴》，《與魔鬼共騎》，《臥虎藏龍》(奧斯卡最佳外語片)，《綠巨人浩克》，《斷背山》(威尼斯電影節金獅獎,奧斯卡最佳導演)，《欲望》，《色戒》(威尼斯電影節金獅獎)，《少年派的奇幻漂流》(奧斯卡最佳導演)，《比利·林恩的中場戰事》和《雙子殺手》。他現在與妻子住在紐約。

## Keynote Speaker

### *Space Travel*



**Monica Jan**  
**Senior Director of Strategy  
and Customer Experience,**  
**Virgin Orbit**



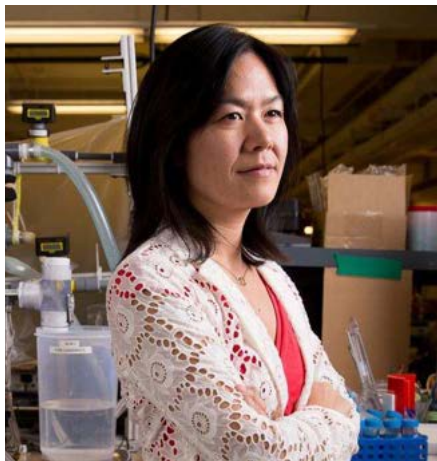
Monica's career spans research and development, investment, and business strategy in the technology and aerospace sector. She has been involved in research and development in semiconductors, artificial intelligence, networking architectures and hardware, telematics systems, and space systems. She has worked with both entrepreneurs and corporations on product development, business development, strategic partnerships, operations and cross-functional process improvement, and supply chain alignment. In her strategy consulting career, she worked with Fortune 500 corporations on domestic and international market expansion, and advised high-tech start-ups on their venture strategy.

Prior to joining Virgin Orbit, Monica co-founded LightSpeed Innovations, an aerospace accelerator, working with new space entrepreneurs on launching their ventures. During her tenure at Northrop Grumman and TRW, she managed various satellite and spacecraft test environment developments and led enterprise resource planning initiatives, where her architecture and implementation of a satellite switching subsystem won the Chairman's Innovation Award. As the vice chair of the Wharton Angel Network and part of the steering committee for Wharton Aerospace Ventures, Monica works actively with investors and entrepreneurs from diverse industries.



## Featured Speaker

### *Scholarship Award Ceremony*



**Evelyn N. Wang**

**PhD**

**Head and Professor of the  
Department of Mechanical  
Engineering, MIT**

***1998 CESASC Scholarship  
Recipient***

Prof. Evelyn Wang earned her B.S. degree in Mechanical Engineering from the Massachusetts Institute of Technology, and her S.M. and Ph.D. degrees in the Mechanical Engineering from Stanford University. She joined the MIT faculty in 2007. She was one of the CESASC Scholarship awardees in 1998.

Professor Wang's research program combines fundamental studies of micro/nanoscale heat and mass transport processes with the development of novel engineered structures to create innovative solutions in thermal management, energy, and water harvesting systems. Her group leverages state-of-the-art micro/nanofabrication and synthesis, unique measurement, and model prediction capabilities to perform in-depth studies and enable mechanistic insights into complex fluidic and thermal transport processes for these applications. Meanwhile, this approach has also led to the discovery of novel flow and transport phenomena, which offers great potential to realize new and important functionalities.



# Featured Speaker

## Scholarship Award Ceremony



**Linda M. Liao**  
**MD, PhD, MBA**  
**Chair and Professor of the**  
**Department of**  
**Neurosurgery, UCLA**  
**Director of the UCLA Brain**  
**Tumor Program**

*1986 CESASC Scholarship  
Recipient*

Prof. Linda Liao was raised in Los Angeles. She received bachelor's degrees in biochemistry and political science from Brown University in 1987 and completed medical school at Stanford University in 1991. She also obtained a PhD in neuroscience in 1999 at UCLA, where she completed her residency and training in neurosurgery. She was one of the CESASC Scholarship awardees in 1986.

Dr. Liao is currently the chair of the Department of Neurosurgery at the David Geffen School of Medicine at UCLA, making here the second woman in the United States and the first Asian-American woman, to chair an academic neurosurgical department.

Dr. Liao's primary research interest is the treatment of brain cancer. She also worked on immunotherapy, and in the 1990s created of the first personalized vaccines against brain cancer. Dr. Liao's clinical expertise is in intra-operative functional brain mapping and use of intra-operative imaging for resection of brain tumor.





## Featured Speaker

### Scholarship Award Ceremony



**Lisa Lu**

盧燕

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，憑借電影《董夫人》獲得第9屆台灣電影金馬獎最佳女主角獎。1973年，憑借戰爭電影《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，憑借古裝電影《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，憑借劇情電影《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。



## Featured Speaker

### *Art Contest Award Ceremony*



**Gene Chang**  
**Managing Director/COO**  
**Himalaya Capital**

**Mr. Jing (Gene) Chang** was born in China. He went to Peking University in 1986. In 1990, he came to the United States to study. In 1993, he got his BS degree in Physics from University of San Francisco. In 1996, he got his MBA degree from Columbia Graduate School of Business.

From 1996 to 1999, he worked at Monitor Company's Hong Kong office as a senior consultant and team leader. He led Monitor's China Marketing Team from 1997 to 1999. In 1999 he founded Free2net.com, an Internet startup, and served as Chief Executive Officer until 2001. In 2001 he joined Chinese Media Net Inc., an American Chinese media company, and became Chief Operating Officer. He served on the board of Chinese Media Net until 2009. In 2006, he left Chinese Media Net and founded JC Research & Consulting, Inc. In the same year, he joined Himalaya Capital as Chief Operating Officer. In 2008, he became a Partner of the firm. In 2013, he became a Managing Director while continued serving in the role of COO. Himalaya Capital is a value investing firm based in Seattle with an AUM of \$14bn today.

Mr. Chang is an Honorary Chairman of Chinese CEO Organization. He also serves as a board director of Peking University Alumni Association (Global), Peking University Alumni Association of Washington State and United Chinese Americans. He has been a co-instructor of the value investing class at Peking University's Guanghua School of Management since 2015. In 2019, Mr. Chang and his wife Sharon Chang donated \$1,075,000 to UCLA to support a summer research program that enables UCLA students to conduct research in science and engineering at Peking University.



## 2020 CESASC Annual Convention Agenda

### 南加州中華理工學會第 58 屆年會議程

3:00 pm – 5:00 pm, August 29, 2020, Zoom Online Meeting

## Science Meets Art (科學遇見藝術)

3:00 pm	Welcome Remarks	
3:10 pm	2020 Looking Back and 2021 Looking Forward	CESASC Executive Team
3:20 pm	Scholarship Award Ceremony	
	Video – “Remarks and Congrats”	
	Remarks by the Chair of Scholarship Committee	Dr. Yu Gu
	Congrats from Former Scholarship Recipient	Prof. Evelyn Wang
	Congrats from Former Scholarship Recipient	Prof. Linda Liao
	Video – “Speech from Lisa Lu”	Ms. Lisa Lu
	CESASC Scholarship Awards Presentation Live	Dr. Yu Gu
3:35 pm	First Round of Raffle	
3:40 pm	The Future of Hollywood	Director Ang Lee
4:10 pm	Second Round of Raffle	
4:15 pm	In Memoriam	
4:20 pm	Art Contest Award Ceremony	MC: Ms. Jingyi Xi
	Remarks by the Contest Co-Chair	Mr. Gene Chang
	Art Contest Awards Presentation	MC: Ms. Jingyi Xi
4:25 pm	Space Travel	Ms. Monica Jan/Dr. Jonathan Jiang
4:55 pm	Last Round of Raffle	
4:58 pm	Closing Remarks	



## Master of Ceremony Convention

**Mr. Chenxi Guo** has been serving non-profit organizations for years. In 2017, he started leading the *PlusYouu* team and hosted events serving the community of Chinese entrepreneurs in southern California, including SoCal Innovation Forums, Entrepreneurship Workshop Series, Investment Forums, and Meetups with VCs. Chenxi joined the CESASC executive team in 2019 and hosted the Tech Salon series events. Chenxi currently serves as a staff engineer at Marvell Technology Group. He got his Bachelor's degree from Shanghai Jiao Tong University, majoring in Microelectronics, and got his Master's degree from the University of Southern California, majoring in Computer Engineering.

**郭辰曦**先生長期服務於南加州的各大華人非營利機構。他於2017年加入南加州華人創投平台普創，領導組織了多場服務南加華人創業者社群的活動，包括南加創新論壇，創業訓練營系列，投資論壇等。他於2019年加入南加州中華科學會的執行團隊，負責組織達人沙龍系列活動。他目前於美滿電子科技擔任主管工程師。他本科畢業於上海交通大學微電子學專業，並於南加州大學取得計算機工程碩士學位。



**Ms. Chen Feng** got her Master's degree in Fine Arts of Film Production in the School of Cinematic Arts at the University of Southern California.

As the producer and assistant director, she made a US-China co-production documentary feature film named *Chasing the Light*. She worked as assistant director and script editor in the feature film *My Girlhood and Invisible Wings*. Her solo dance won the first prize in the Beijing Dance Competition.

She is in pre-production of her own feature film and would like to make good films about love and hope as a director and a producer.

**馮辰**，北京人。北京師範大學畢業後，於南加州大學電影學院獲得影視製作藝術碩士學位。作為美國籌拍部分的製片和執行導演，她攝製了中美合拍院線紀錄片《追光萬里》。作為副導演和統籌，她拍攝了故事電影《我的少女時代》和《隱形的翅膀》。馮辰的獨舞曾獲得過北京市舞蹈比賽一等獎。近期馮辰正在籌備個人長篇電影作品。她立志做一位正能量的導演與製片人，成為中美電影的橋樑。





## Master of Ceremony *Art Contest Award*

**Jingyi Xi**, Ph.D. of Physics. Fiction writer and screenwriter, editor of popular science.

During the pandemic of COVID-19, Jingyi worked with different organizations from both China and America. They donated a lot of PPE, UV disinfection carts and daily necessities for medical and community workers in the areas suffering from the pandemic.

From the beginning of the pandemic, Jingyi and her friends had been producing articles with normal-life prevention methods. They translated the articles into videos with sign language, which made it convenient for the hearing-impaired people to understand.

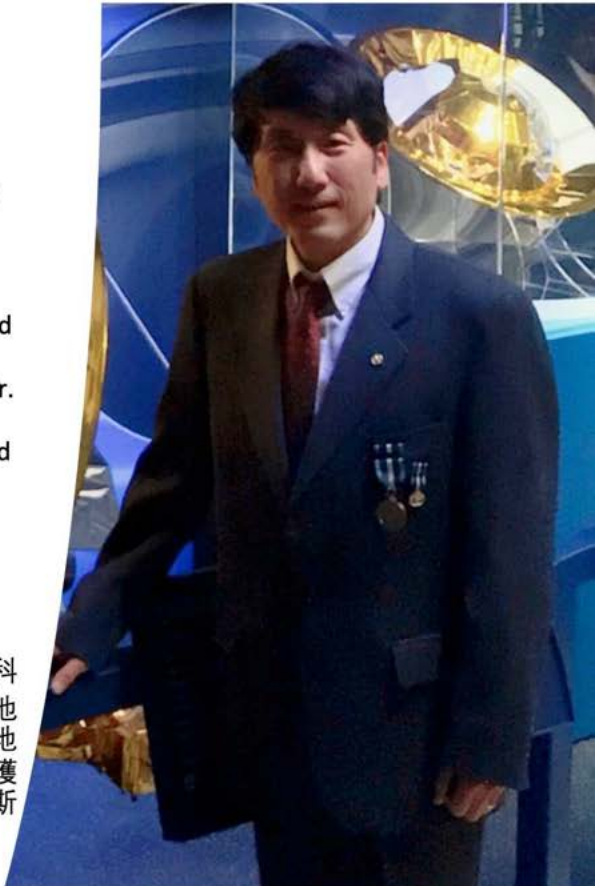
This initial project enlightened Gene Chang and Jingyi. With volunteers from all over the world, their "Tracy's Guide" team has produced 55 online articles for everyone to learn to protect his/her family.



## Master of Ceremony *Space Travel*

**Dr. Jonathan H. Jiang** is a Principal Scientist of Engineering and Science Directorate at the Jet Propulsion Laboratory (JPL), Caltech, and the Supervisor of JPL Aerosol and Cloud Group, managing a team of more than 30 scientists. He is serving as an Editor for the American Geophysical Union's Journal of Earth and Space Science, and he is the elected Chair for the American Meteorological Society's Committee on Atmospheric Chemistry. Dr. Jiang has over 200 research publications. He has been twice awarded the NASA Exceptional Achievement Medals in 2010 and 2013, for his leadership and innovations 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.

**蔣紅濤**博士是加州理工學院噴氣推進實驗室(JPL)工程與科學部首席科學家，美國《地球與空間科學》期刊主編。他和他帶領的JPL團隊在空間科學及地球衛星研發領域居世界領先地位。蔣博士發表學術論文200余篇，曾在2010和2013年兩次獲得美國宇航局頒發的傑出貢獻勳章，並於2019榮獲愛德華-斯登傑出科研成果獎章及美國宇航局頒發的科學發現勳章。





# 2019-2020 CESASC Executive Team Members

*(in alphabetical order)*



Jia Fan

Secretary & Chair of  
Communication Committee



Yu Gu

Treasurer & Chair of  
Scholarship Committee



Chenxi Guo

Chair of Tech Salon  
Committee



Nancy Huang

Chair of Convention  
Committee



Xudong Jia

Chair of Technical  
Symposium Committee



Jinxing Li

Chair of Volunteers  
Committee



Bruce Liu

Chair of Business  
Forum Committee



Charley Lu

VP & Chair of  
Fundraising Committee



Hui Su

Chairwoman of  
Board



Kenny Wang

Chair of Award  
Selection Committee



Ying Zhan

Chair of STEM  
Programm Committee



Ping Zhou

President



# Tech Salon Program

The Tech Salon Program features in-depth exchange of ideas among about 20-30 senior and young professionals, scholars, and entrepreneurs. Past events include topics like Artificial Intelligence, Finance, and Environmental Science.

We hosted 3 sessions over the past year: Last July, CESASC partnered with SABPA and SandRA to host the BioTech+ AI themed Tech Salon in Irvine. Last December, CESASC hosted Future Transportation Tech Salon at IdeaLab in Pasadena, featuring guest speakers from government officials, researchers and corporation management teams. This April, we invited distinguished financial professionals and presented CESASC's first online event, featuring the topic of Financial Trend under COVID-19.

If you are interested in joining our program, or even hosting the salon of your own topic, please contact us at [info@cesasc.org](mailto:info@cesasc.org).



## 2020/04/04 Financial Trend under COVID-19



Mr. Michael Liu (劉虹俊) is the Managing Director of Lighthouse Asset Management Fund. Prior to co-founding Lighthouse, Michael founded Huntington Capital Management, Inc. He also served as a First Vice President and Vice President with Morgan Stanley Dean Witter and Merrill Lynch, Pierce, Fenner and Smith, Inc. from 1995 to 2004.



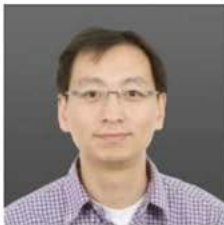
Ms. Jennifer Huang (黃妍娟) is a Certified Financial Planner™, and completed CFP Accelerated Program at UCLA. Priorly, Jennifer has worked at J.P. Morgan Private Bank and UBS Financial Services in Hong Kong, New York, Los Angeles, and San Francisco. Her team oversaw over \$1bn assets under management. She specializes in structuring comprehensive financial solutions for cross-border individuals and families.

# Tech Salon Program

## 2019/12/07 Future Transportation



Mr. Ping Wang (王平) is the GIS/Data Manager and leading spatial planner at Southern California Association of Governments (SCAG), the largest Metropolitan Planning Organization (MPO) in the United States. Mr. Wang leads to establish spatial and big data depository and infrastructure system at SCAG in support of innovative intelligence planning and data-driven decision-making process.



Dr. Lianyu Chu (初連禹) is a researcher, consultant, innovator, and entrepreneur. He started his career at UC Berkeley and Irvine, and co-founded CLR Analytics Inc. (CLR) to develop innovative transportation solutions and technologies. His study fields include intelligent transportation systems, advanced traffic detection, traffic simulation modeling, traffic operation, smart infrastructure, system engineering, etc.



Mr. Xiao Ma (馬驍) is the founding team member Faraday Future (FF) and member of partnership team. He currently leads Corporate Operations and Program Management Office. Xiao supported strategy, product definition and program management of FF 91 design and development work. Prior to FF, Xiao spent many years focusing on vehicle design and development related activities at high end luxury OEM, supplier and engineering service in both Germany and China.

## 2019/07/20 AI Meets BioTech



Dr. Zheng Fu (傅正) is a Staff Scientist at Supply Chain Analytics Team at Supply Chain Analytics Team, Life Science Group at ThermoFisher Scientifics, translating business needs into analytic questions and acting as an advisor for executive and management level decision makers. He earned his Ph.D. degree in Computational Chemistry and Statistics from University of Florida.



Dr. Shi Huang (黃適) is a computational microbiologist, bioinformatician with 10 years of experience in the field of the human microbiome, single-cell phenotyping, and human disease diagnosis and prediction using machine learning techniques. He is currently a Postdoctoral Scholar in the Department of Pediatric and Jacobs School of Engineering at the UCSD.





# Tech Salon Program

## 2019/07/20 AI Meets BioTech (Continued)



Dr. Zhe Shang (尚哲) is currently an assistant professor in the Department of Organization and Human Resources at the School of Government at Beijing Normal University. She earned her Ph.D. in psychology at Peking University, and then got Boya Postdoctoral fellowship and doing her Post-doc in Guanghua School of Management, Peking University.



Dr. Lei Huang (黃磊) obtained his Ph.D. from Cornell University. He built mathematical models for the industrial fermentation process and used the models to help optimize the process at Intrexon. He joined Human Longevity, Inc. as a Machine Learning Scientist, where he has been developing disease prognostic algorithms and mining medical big data.



Ms. Linjing Fang (方琳靜) is an Image Analysis Specialist in the Waitt Advanced Biophotonics Core at the Salk Institute. Linjing works closely with researchers to help with quantitative image analysis and develops custom algorithms for collaborators and provides training to all users on image analysis software. She got her Master's degree at Cornell University.



Mr. Phillip Liu (劉洪剛) was the Chief Operating Officer at Bitmain Technologies Ltd. Phillip has successfully helped Bitmain develop the most advanced semiconductor mining chips and AI chips by building up close working relationships with first-class technology and internet companies around the world.



Mr. Narisu Bai (白那) graduated from Department of Mathematics of Tsinghua University and obtained his Master's degree from Columbia University. As a senior PM/Data Scientist, he has rich industrial experience in the field of data science, providing data management service and artificial intelligence solutions to Fortune 500 companies like CVS, J&J, UA, T-Mobile, etc.



Mr. Ning Wang (王寧) is a fourth-year Ph.D. student at the Bioinformatics program at the University of California, Los Angeles (UCLA). Ning obtained his bachelor's degree in electrical engineering at the University of Science and Technology of China (USTC). Ning's interests are focused on computational biology

## Entrepreneur & Business Forum

2020/06/20 Business and Entrepreneurship New Trend under COVID-19



**Dr. Fangfang Zhu** is a Vice President at WI Harper Group focusing on healthcare industry globally. Dr. Zhu has an outstanding background in academics and a deep understanding in technologies in Healthcare field. Her Ph.D mentor is Prof. Hongkui Deng, the Director of Stem Cell Institute in Peking University and she performed her postdoctoral training with the supervision of Prof. Irving Weissman, the Director of Stem Cell Institute in Stanford University. She was a Siebel Scholar in Stanford University. Dr. Zhu published several papers in top peer-reviewed journals with more than 1300 citations, such as Cell Stem Cell, Nucleic Acids Research, Cancer Discovery and Diabetologia. She has 2 patents and is applying the third one. One of them was licensed to two companies. Dr. Zhu also has hands-on experience working in startups. She was the Founding Member and VP of Marketing of Silicon Valley Institute of International Education and also helped found Silicon Valley 1898 Group Inc. Dr. Zhu has extensive connections with the local communities in San Francisco Bay Area. She is Chairman of Peking University Alumni Association of Northern California and served as Director of Board of Zhejiang Commerce Chamber, USA and Director of Board of Northern California Chinese Coalition.



**Dr. Guanxi Yi** have years of experiences in finance industry in both China and U.S. As senior quantitative researcher, he led lots of micro structure researches, quantitative investment strategy development, and ETF underwriting and maintainance. Recent years, he devoted to cross-boarder investment and other consultant servicebetween U.S., Isereal, and China. Area spans from AI, Fin-tech, Blockchain, Medical Care. As a scholar, he gives speeches and lectures on finance, fin-tech, AI and machine learning in economics in many top universities and research institutions, such as SUFE, Sun Yat-sen University, Tsing-Hua University, UCLA and Chinese Academy of Sciences. He also has many publications on economics and machine learning in top academic journals.



## Entrepreneur & Business Forum

2020/06/20 Business and Entrepreneurship New Trend under COVID-19



**Ms. Hila Qu** is a user growth expert with extensive experience in growth strategy, architecture and tactics, including product-driven growth, paid acquisition, CRM, and analytics. Currently, she is head of Growth at GitLab. Previously, she was VP of Growth at Acorns and has helped the company to grow the user base to over 4 millions, and successfully launched 2 new products. Previously, she was PM of growth at Growthhackers.com, and worked hard to build the community along side Sean Ellis and the team. Born and raised in China, Hila also has unique insight into growth and startup strategy in both US and China. She writes about growth hacking as a contributor to Startup Grind Publication in medium, and her recently published book about growth hacking was ranked as top 4 best business book of 2018 in China.

Dr. Yi talked about the micro and macro business model trend, such as on-line business and manufacturing risk management. Ms. Qu talked about the impact of COVID-19 on specific products, services, and technologies. Dr. Zhu talked about global healthcare investment trends and opportunities. The event video is available on CESASC YouTube channel and the PPT files can be obtained upon request.

## Technical Symposium

2020/07/11 COVID-19 Pandemic: Epidemiology, Future Trends and Impacts



**Danny Wu**, PMP, AICP, PTP oversees mobility and transportation efforts at Cal Poly Pomona, providing strategic leadership in mobility planning and policy development while managing a comprehensive transportation demand management plan for the university. A transportation leader and practitioner with more than 25 years of experience in local, county, and regional transportation planning throughout Southern California, Mr. Wu has excelled in increasingly responsible positions with transportation organizations in both the public and private sectors. He has served in senior management roles as Senior Director with the Los Angeles County Metropolitan Transportation Authority; Transit Manager with the City of Anaheim; Program Manager with the Southern California Association of Governments; and as an Assistant Vice President/Principal Consultant with WSP USA.



**Dr. Zuo-Feng Zhang** is a Professor of Epidemiology and Medicine and Associate Dean for Research of the UCLA Fielding School of Public Health. He is also Co-Director of the UCLA Alper Center for Environment Genomics, and Director of Cancer Molecular Epidemiology Training Program. Dr. Zhang had been a Fellow of the American College of Epidemiology (ACE) and Member of the Board of Directors of the American College of Epidemiology. He was a World Health Organization (WHO) Consultant for National Non-communicable Disease Prevention and Controls in China.

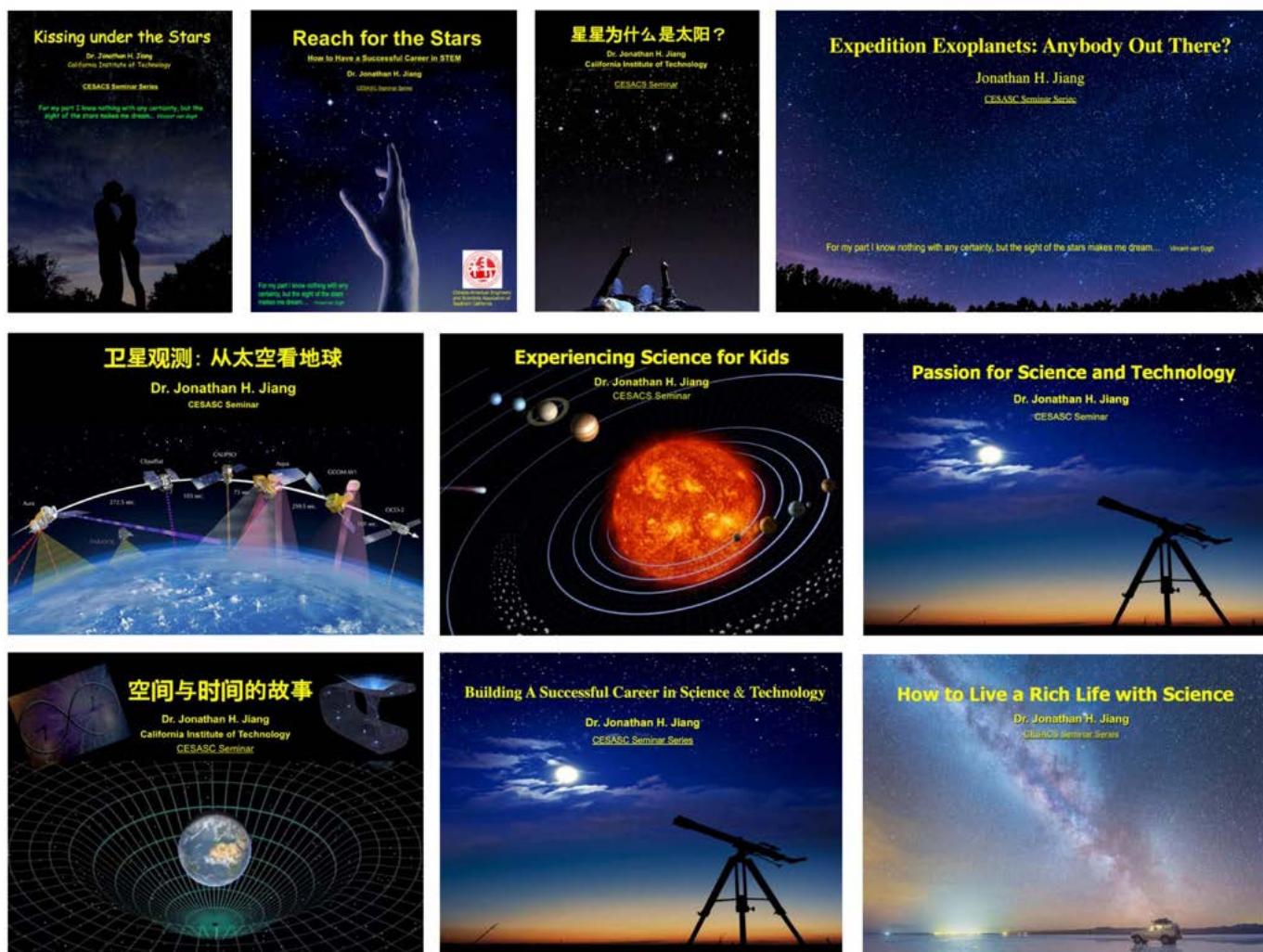


**Dr. Xudong Jia** is a Professor of Transportation Engineering and Associate Dean of College of Engineering and Computer Science, California State University, Northridge (CSUN). Before joining CSUN, Dr. Jia served as the Chair of Civil Engineering Department at California State Polyethnic University, Pomona (Cal Poly Pomona), the largest civil engineering program in the nation. Dr. Jia is a champion of academic excellence, research, and innovation in diversified and inclusive learning environments at Cal Poly Pomona and CSUN. He recently has 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.

# STEM Program

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's 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?"

# Photo Recaptures

## 57th CESASC Annual Convention Recap (4/10/2019)



Lifetime Achievement Award Recipient  
Dr. Carter Tseng (center)



CESASC Achievement Award Recipient  
Dr. Erik Takayasu (center)



CESASC Presidents at the 57th Annual Convention



President Hui Su (left) passed the gavel to the new  
President Ping Zhou



STEM Contest Awards Ceremony



57th CESASC Conversion Appreciation Lunch (5/2019)

## Photo Recaptures



CESASC attending Peking University Alumni Association Annual Convention (5/2019)



CESASC attending Peking University Alumni Association Annual Convention (5/2019)



CESASC was recognized as the recipient of the 2019 Community Partner of the Year by Chinese-American Elected Officials (6/2019)



CESASC attending Chinese-American Elected Officials (6/2019)



CESASC attending the Committee of 100 (09/2019)



CESASC attending CIE SoCAL Annual Convention (10/2019)

# Photo Recaptures



CESASC attending Judy Chu Celebrating 10 years in Congress (11/2019)



Former CESASC President Yue Rong with Congresswoman Judy Chu (11/2019)



CESASC attending Chiao Tung University Alumni Association Annual Convention (12/2019)



CESASC Christmas Party (12/2019)



CESASC attending Chinese University Alumni Association Alliance of Southern California (12/2019)



CESASC attending Chinese University Alumni Association Alliance of Southern California (12/2019)





## **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)

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Munson and Suellen Kwok	Ping Zhou and Wenji Xu

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.



## 2020 CESASC Scholarship Recipients



**Xiaozhe Ding** 丁霄哲

Ph.D. student, Bioengineering, Caltech

Received B.S. degree with honor in Biological Sciences from Tsinghua University (Beijing). His research interests include protein engineering and molecular tool development for biomedical sciences. His Ph.D. thesis work is on expanding the cargo capacity of a therapeutic gene delivery vector to enable the treatment of more genetic diseases.

*Prof. Lois Chi Memorial Scholarship*



**Heng Dong** 董恒

Ph.D. student, Environmental Science and Engineering, Caltech

Obtained B.S. degree in School of Environment, Tsinghua University. His current research focuses on development of active, stable and cost-effective anodes for chlorine evolution catalysis in electrochemical oxidation system as a solution to water sanitation problem in developing world.

*Dr. Jün-Jen and Mrs. Sage Lee Scholarship*

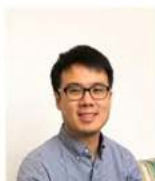


**Lin Du** 杜琳

Ph.D. student, Department of Asian Languages and Cultures, UCLA

Lin Du is a Ph.D. student in the Department of Asian Languages and Cultures at the University of California, Los Angeles (UCLA). She received her B.A. in Chinese Literature from Peking University, and her M.A. in Regional Studies East Asia from Harvard University. Her research interests include modern and contemporary Chinese photography, film, and poetry.

*CESASC Foundation Scholarship*



**Chi-Hsin Huang** 黄榮歆

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

Received B.S. degree in Chemical Engineering from National Cheng Kung University and M.S. degree in Materials Science and Engineering from National Tsing Hua University. His research focuses on developing low-dimensional oxide materials for next-generation quantum and computing device.

*Edison STEM Scholarship*



**Yan Li** 李岩

Ph.D. student, Biomedical Engineering, UCI

Received Bachelor and master's degrees from Tianjin University and University of the Chinese Academy of Sciences, respectively. Current research focus is development and translation of multimodal microscopic and endoscopic biomedical imaging technologies.

*Anna and John Sie Foundation Scholarship*



**Yangcheng Luo** 罗杨程

Ph.D. student, Environmental Science and Engineering, Caltech

Received his B.S. degree in Atmospheric Science from Peking University. His current research is focus on methane on Mars and submesoscale ocean dynamics on Earth.

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

**Bin Wang** 王濱

Ph.D. student, Chemistry, UC Davis

Received B.S. degree from Central South University and Master's degree from Fudan University. Currently a Ph.D. student in the Peter A. Rock Thermochemistry Laboratory at UC Davis, his research encompasses synthetic and energetics studies of energy harvesting materials, especially perovskites.

*Sherman Shan Yu Memorial Scholarship***Jingjing Xue** 薛晶晶

Ph.D. student, Materials Science and Engineering, UCLA

Received B.S. degree in Chemistry from Nanjing University. Her research focuses on investigating the surface chemistry and physics of metal halide perovskite materials, aiming to achieve high-performance perovskite optoelectronic devices.

*CESASC Foundation Scholarship***Shaoshuang Yang** 杨韶爽

Ph.D. student, Economics, USC

Obtained Bachelor degree in Finance from Peking University. Current research field is macroeconomics, with a focus on innovation, growth and inequality.

*CESASC Foundation Scholarship***Yiran Yang** 杨依然

Ph.D. candidate, Medical Engineering, Caltech.

Received B.S. in Bioengineering from Rice University. She is currently working with Prof. Wei Gao on wearable sweat sensing at Caltech for health monitoring and personalized healthcare applications.

*Edison STEM Scholarships*

## 2020 CESASC Lisa Lu Scholarship Recipients

---

**Zheyu Liang** 梁哲瑜

M.F.A. candidate, Film Directing, UCLA

Pursuing her passion-turn-career as a film director, Zheyu's film "Transplant" got into the Austin Asian American Film Festival and was selected to present UCLA for British Academy Film Awards Student Award. Now she is working on her feature documentary "Tightrope Walking".

**I-Han Teng** 鄧依涵

M.F.A. student, Film Directing, California Institute of the Arts

Received both B.S and M.S. degrees in psychology from National Taiwan University. Interdisciplinary art residency fellow in the University of St Andrews, Scotland. Her body of work explores identity, inner conflict, and contemporary social issues in a subtle manner.

**Qingtong Wan** 万晴桐

M.F.A. student, Filmmaking, New York Film Academy

Currently studies Filmmaking at the New York Film Academy as a graduate student in Los Angeles, directed short film Miss Chagu. She worked at Huace Film and TV Group, one of the biggest Chinese film and television companies in Beijing and studied film production at Beijing Film Academy.

## 2020 CESASC Scholarship Committee

---

**Yu Gu, Ph.D. (Chair)**

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.

**Jinxing Li, Ph.D. (Co-Chair)**

Assistant researcher in space physics at UCLA. PI of NSF and NASA grants.

**John Chou, Ph.D.**

President & Technical Director of Polymerica during 1993 – 2015. Senior Polymer Scientist with Dow and Avery for over 20 years in the design, synthesis, and full-scale production in the areas of plastic and rubber.

**Jie Guan, Ph.D.**

Energy conversion and storage professional. More than 20 years' experience with global companies on product design, development, and production for stationary, transportation, and portable applications.

**Dongdong Niu, M.S.**

Staff software Engineer & Project Lead at Teradata. Expert at enterprise application development in full cycle. Director of Coastal Chinese School, a non-profit Chinese American Education organization.

**Baijun Tian, Ph.D.**

An atmospheric and climate scientist at NASA Jet Propulsion Laboratory (JPL), California Institute of Technology (Caltech). PI of NASA and NSF research projects.

**Iris Wu, Ph.D.**

Founder of Ambidio. Prestige's 40 under 40 and Asia's Top 50 Rising Tech Stars by Tatler. Committee member of Hollywood Professional Association YEP, 2020 Future of Cinema, and 2020 SMPTE ATC.



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廣告

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# Lisa Lu Foundation

## 盧燕基金會



### CONGRATULATE

the executive team of 58th 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, *I-Han Teng*, *Zheyu Liang*, and *Qingtong Wan*. You impressed me with your enthusiasm, persistence towards excellence and your technical knowledge and passion for film.





ANNA & JOHN J. SIE  
FOUNDATION

*“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, Yan Li, Ph.D. student, Biomedical Engineering, UCI.”*



A handwritten signature in black ink, appearing to read 'John J. Sie'. The signature is fluid and cursive, with a prominent initial 'J'.

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 INSTITUTIONS INCLUDING THE SIE FILM CENTER, DENVER ART MUSEUM, AND DENVER SCHOOL OF SCIENCE AND TECHNOLOGY.

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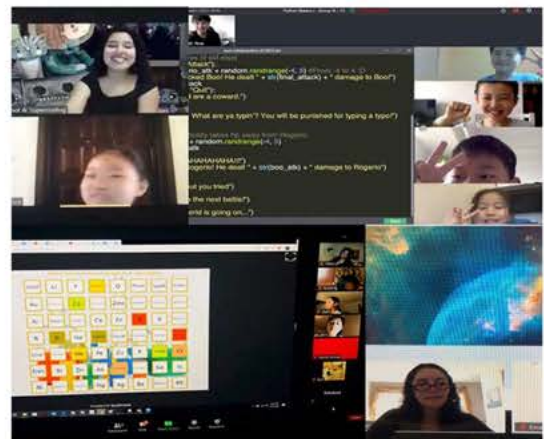


# International STEAM Education Association

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

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 borderless bridge for STEAM education and providing opportunities to volunteer and participate in extracurricular. Also, ISEA is an official Certifying Organization for the President's Volunteer Service Award.

ISEA is providing different levels of online synchronous live instruction for K-12 students: Scientific enlightenment, Programming foundation, Coding with various programming languages, Robotics programming, 3D graphics design, 2D\3D game design & programming, hosting robotic competition and leading robotic team to participate competition all over the world. Courses are supported and sponsored by two companies SuperCoding Inc. and Edubot Inc., engaged in online programming education and robotics education for young students.



Please visit ISEA website for more information:

[www.internationalsteam.org](http://www.internationalsteam.org)

Contact ISEA at [team@internationalsteam.org](mailto:team@internationalsteam.org)





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## Interview Questions for Director Ang Lee

### Session I: The Future of Film Technology

Interviewer: Qingtong Wan

M.F.A student, Filmmaking, New York Film Academy

Interviewer: Chen Feng

Graduate of USC Cinematic Arts School. Producer and Director.



1. As a pioneer of the film technology new era, would you like to share with us what effort and development you have made in the 120 frame rate film production, post and cinema system in both Hollywood and China? What is the future of this technology?
2. The pandemic has driven popular use of streaming media. Will you still challenge yourself be stretching the boundaries of technology, like developing the 120 frames rate, or will your look into a different angle in the future?
3. In the past interviews, you labeled yourself “old-fashioned”, recently learned how to send emails, but you applied the most advanced technology in your filmmaking. What drives your enthusiasm towards technology? What’s your vision in the future of film technology?
4. This is a top question collected from my friends in the filmmaking world. Compared with the traditional film production workflow, what is the difference between the workflow of film production combined with high-tech technology?



## Interview Questions for Director Ang Lee

### Session II: The Future of Film Philosophy



Interviewer: I-Han Teng

M.F.A. student, Film Directing

California Institute of the Arts

B.S. and M.S. in Psychology from National Taiwan University

1. COVID-19 has changed everything - the way we live, work, and think. Have you got any creative inspirations from this pandemic?
2. Some people may say there are no new stories in Hollywood. What kind of content or format do we still need to explore in the future?
3. In today's Hollywood, non-English speaking films from Asia seem to be more welcomed by the western audience. Would you share your observations on this change?
4. You have made films in a broad range of genres such as martial arts, superhero, romantic drama, magic realism. Has your own central philosophy of storytelling evolved when you worked across different genres?
5. If a producer suggests remaking a contemporary version of your first three feature films - the "*Father Knows Best*" trilogy. What kind of new insights would you like to convey on the theme of a contemporary Confucian family?





## Interview Questions for Director Ang Lee

### Session III: The Future of Filmmakers

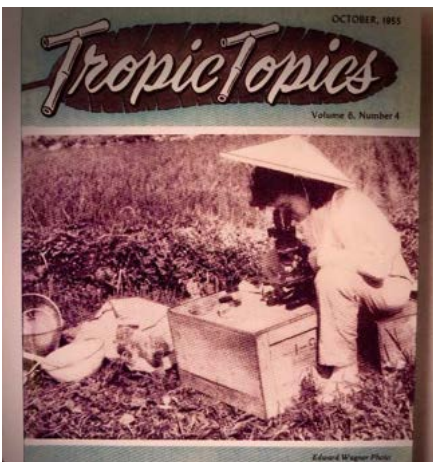
Interviewer: Zheyu Liang  
M.F.A. student, Film Directing, UCLA



1. We see that the pandemic continues to inflict chaos on global film industry. How do you think the nature of the film collaboration, from production, distribution to consumption, will change due to the pandemic? And how do our filmmakers deal with these changes/challenges?
2. When you created "*Life of Pi*", all the scenes on the sea were shot in the studio. What can filmmakers learn from your experience in the future? Will this become a trend in the future?
3. As Chinese/Asian filmmakers, we would love more Chinese/Asian films, like your films "*The Banquet*" and "*Crouching Tiger, Hidden Dragon*", to show our culture in Hollywood. How do you think Chinese/Asian filmmakers can reach global audiences in the future? What kinds of Chinese/Asian films do you want to see?
4. Many young filmmakers who come to study in America, including myself, are now facing unprecedented challenges due to the pandemic. What advice would you give to us relating to your past studying-abroad experience? Any outlook for future filmmaking career?

# In Memoriam -- Lois Wang Chi (1921-2019)

*by Henry Chi and Joycelyn Chi Fawaz*



Lois Lok Yee Wang was born on May 12, 1921 in Fuzhou, China to Leland and Ada Wang, Chinese missionaries. A sickly child, she was never expected to survive childhood, let alone graduate college. She arrived in America in 1941 just before Pearl Harbor on a scholarship to attend the Moody Bible Institute, but realized early on that the church was not her calling. She joined her older sister Joyce at Wheaton College in Illinois, where she finished her B.S. in 1945. She moved to Los Angeles shortly thereafter and earned her master's and Ph.D. in Biology from USC in 1953. During and after World War II, American GIs were coming home with a debilitating disease caused by tiny snails found in rice paddies and fresh water. The disease, known as Schistosomiasis, is caused by a liver fluke. This caught Lois' attention, and she shifted her focus to the study of parasitology. She was a research fellow at Loma Linda University, then traveled to Asia with the U.S. military and her mentor, Dr. E.D. Wagner, as an honorary major during the mid-'50s to study the problem. It was the start of her research career, and would change the direction of her life forever. The subsequent protocols that she helped develop would inform how hundreds of millions of people would be diagnosed and treated in subsequent decades.

It was also during this time period that she met the love of her life, Henry W.S. Chi at USC. In 1956, they married and went on to raise 3 children, Lanie, David and Joycelyn. Henry and Lois traveled to almost 90 countries and lived in Southern California their entire life together.

## In Memoriam -- Lois Wang Chi (1921-2019)

*by Henry Chi and Joycelyn Chi Fawaz*



The '50s saw Lois teaching at Immaculate Heart College, where she made several lifelong friendships with the faculty, including Sister Corita Kent, a well-known artist. As the '60s came, travel became a part of Lois' life in earnest. In 1963, the World Health Organization (WHO) invited Lois to speak at its 7th International Congress of Tropical Medicine and Malaria in Rio de Janeiro, Brazil. Even then one of very few women, let alone an Asian woman, in attendance. She famously refused to leave the podium after the lights had gone out, and was then told she was out of time. She not only stayed on after the power came back, she finished her talk to a rousing ovation. That was Lois—she was always "just getting started."



In the 1960s the State of California, realizing the inner city was not well served during a period of civil unrest, chose Dominguez Hills in Carson to be the next Cal State University. So in 1966 the first class on the first day was taught by Lois as cattle still roamed the surrounding landscape. She had a tremendous career, teaching, mentoring and bringing prodigious grants for the purpose of parasitology research. Due to this, countless young people were encouraged to go on to medical school and to study other sciences. This led to her being given the Outstanding Professor Award in 1972 by CSUDH, and the Outstanding Professor Award for the State of California in 1979.

## In Memoriam -- Lois Wang Chi (1921-2019)

*by Henry Chi and Joycelyn Chi Fawaz*

In 1972, Lois and Henry took one of their most significant trips, a return to the land of their birth. It was during this journey that they reunited with family in Fuzhou and Shanghai that they had not seen since the war, and met many other new faces. This was to be the start of many more trips back to China and the start of opening the door to a new chapter in their lives, and the lives of their extended family. With subsequent visits Lois cemented a relationship with the Shanghai Parasitology Institute, which resulted in the federally-funded sponsoring of 2 researchers coming to work in the labs at Cal State Dominguez Hills during the 1980s. Many papers of note ensued, and the friendships made were for a lifetime.

In 1973, Lois was handpicked by Caspar Weinberger, Secretary of Health, Education and Welfare, to serve on the National Institutes of Health (NIH) Advisory Council on Allergy and Infectious Diseases. She was one of only 12 members nationwide. Lois was always the first of many, but she accepted this particularly stressful and time-consuming position as she was the first Chinese American woman to be appointed. She always believed the tenet that women held up half the sky, but during this time period, with all her other duties, she sometimes felt she was doing it single-handedly. This drive to provide and encourage equal opportunities to everyone was a hallmark throughout her lengthy career. Even before it was fashionable to be "woke," Lois truly believed every life, regardless of color or creed, mattered.

After her retirement in the 1980s, she and Henry continued to travel and make new friends. R.V. trips in the U.S., tours through Asia, South America, Europe and beyond—they were indefatigable. They also continued their work with their charities, emeritus gatherings at Dominguez Hills and efforts on behalf of CESASC (Chinese Engineers and Scientists Association of Southern California), which she and Henry founded in 1962. Those who know her say she and Henry never slowed down, going, doing and dancing their way through life. As many will remember, they were always the first ones on the floor when the music started at every convention. As the "mother" of CESASC, she worked passionately to raise awareness of the contributions made by Chinese-American scientists and engineers in society. With the continuing dedication to CESASC and the vitality of future generations she would feel this was one of her greatest accomplishments. Long live CESASC.

# In Memoriam -- H.E. Frank Wang (1929-2020)

*by Wei Kao (高為雄/CESASC1989 President)*



CESASC experienced a deep loss on May 28, 2020. On that day, Dr. H.E. Frank Wang, CESASC's 1984 President, passed away peacefully in San Francisco. CESASC members and friends are deeply saddened in losing a dear friend and offer our sincerest condolence to his family. In addition to losing a good friend, we note here that Frank had been a stern supporter of CESASC activities and provided forward-looking strategies in planning roadmaps for the sustainability and mainstream involvement of CESASC in many fronts. Most notably, CESASC is in debt to Frank's historical contributions in 1984, for the establishment of our federal (501) (c) (3) Scholarship Foundation and the finalization of CESASC's official names in English and Chinese.

During his Presidency, Frank initiated two forward-looking changes to CESASC. The word "Chinese-American" was adapted to replace the original first word of "Chinese" so that our official Association's name was mainstreamed and also reflected our deep Chinese culture heritage. Since 1984, The name of "Chinese-American Engineers and Scientists Association of Southern California", and "南加州中華科工學會" have been used officially. In the same year, realizing that many of our members contributed fund to support college students in the form of CESASC scholarships, the 1984 Board approved his proposal of establishing a Scholarship Foundation separately from CESASC and to obtain tax allowance status for donors. The Foundation was legally established in 1985 as a federal 501(c) (3) nonprofit dedicated to charitable educational objectives.

# In Memoriam -- H.E. Frank Wang (1929-2020)

*by Wei Kao (高為雄/CESASC1989 President)*



*CESASC President Installation 1984*



*1988 Appreciation Award presentation to Milton Chang by Chairman of the Board Frank Wang and President Sherman Yu*

## **Dr. Frank Wang's Biography**

Dr. Wang excelled in his career in many technical fronts. He started his career at The Boeing Company in Seattle in 1957. In 1960, he moved down to Los Angeles and had a distinguished career at The Aerospace Corporation. He advanced his career from a MTS to the Principle Director of the Space Test and Experimentation Directorate for many years until he retired in 1992. A significant area of his contribution was in the development of rocket plume radiation characteristics for understanding satellite contamination from rocket exhaust plumes. Frank was well recognized and respected by all of his colleagues while he was working at The Aerospace Corporation, not only because the technical leadership he had exhibited but also because his efforts in mentoring Chinese- American young scientists. He served as the mentor for several CESASC sponsored youth career development activities and nourished the career development plans for young engineers.

In 1992, after he retired from The Aerospace Corporation, he joined the Taiwan's Industrial Research Institute (ITRI) and served as the deputy director of ITRI's Center for Aeronautics and Space Technology, working on Taiwan's newly commissioned space program. He returned from Taiwan to Los Angeles in July, 1993.

Dr. Wang was a graduate of Taiwan National University and obtained his Ph.D. from Brown University. He received the 1985 Asian Pacific American of the Year from the Aerospace Corporation. He was an ordained elder in his church, and an AIAA Associate Fellow. Franks is survived by his son, Joe Wang and daughter, Joyce Wang.



# In Memoriam -- H.E. Frank Wang (1929-2020)

*by Tennyson Wang (王滇聲/CESASC 1980 President)*

## In Memory of My Friend Frank Wang

Few weeks ago, when I talked with Frank on the phone, not knowing that he was in hospice care, he mentioned that he was thinking about our college days. Yes, now, the images of the bygone days came to mind:

1953, I picked him up at a small train station whistle stop near Bucknell University in Pennsylvania. A shrimpy skinny guy with a suitcase, but he was tall, attributed from his Shandong province heritage. He fitted the image of a Taiwan college graduate who just survived a year of military training. How would I know? I had never been to Taiwan.

Being able to speak Mandarin, exchange of tidbits, and reminiscent of our younger days in Taiwan and China, a year past by quickly without being feeling so alone as the only Chinese students on campus. We both graduated, he — was the number one in his class at Taida, slept through with a Master's degree, and I was losing sleep to get my Bachelor. Those were the days!

Four years at Brown may be was a little more of a challenge for him than at Bucknell. My teaching assignment schedule at Worcester Polytechnic Institute allowed me to visit him frequently on weekends and slept over at his place he shared with Daniel Ai. After letters, phone calls and a few visits during holidays from a wonderful young lady— that was the norm of courtship in those days, he got married, and changed the roommate.

To start our professional careers, I followed Frank to the Boeing Company in Seattle, which was one of the few companies that employed immigrants without security clearance. Armed with secret clearances three years later, Frank and I ended up in the greener pasture of Los Angeles, California, he was at the Aerospace Corporation, and with the introduction of Sherman Yu (I am indebted to him), who already came to TRW from Boeing, I accepted an offer from the TRW, which was a few more dollars a week than the Aerospace. We were living from pay check to pay check then, but believing that we were really going places. Yes, indeed, Frank did it at the Aerospace.

After his retirement from the Aerospace Corporation, he worked at the research institute in Taiwan. I was impressed that he could drive a car there, then, came the answer: “just watch only where the front end of your vehicle is going”. Such was the wisdom from directing satellite programs at the Aerospace Corporation.

Like the days at Bucknell, sleep well my friend, I will eventually catching up with you.



# In Memoriam -- H.E. Frank Wang (1929-2020)

## Fondest Remembrances

### **Henry Chi** (戚文祥/1962 Founding President)

I didn't know Frank Wang personally until 1984 when he was up for CESASC President running against, "you know who," my darling wife, Lois Chi. Of course, he had the backing of all the Aerospace group, and Lois had the support from the Bechtel crowd. When Frank ultimately won, we had a huge convention at the Bonaventure hotel, which was attended by many other groups in the computer and environmental fields and CAFA (Chinese-American Faculty Association). Not too long after that, Frank came by my office to suggest starting the CESASC Scholarship Program. Frank was a kind, capable man, with his heart always geared towards helping the next generation. He will be missed.

### **Timothy and Cc Yu** (余家煜\*李詠娟/1982 & 1983 Vice President/Former CESASC Board MBR)

As CESASC President, Frank invited me to serve in his cabinet when he saw my performance as MC in the convention. I admire his leadership and charisma. We lived across the street from Frank and Ming-Min. Our son Brandon remembers them with fond memories. They gave him treats when he went over to play with their Dalmatian. They attended his birthday parties. Frank helped him with and attended his Chinese School Poetry Recitation Contest. Frank was a part of Brandon's early childhood. He will always be alive in his heart.

### **Chih-Ming & Shirley Ho** (何志明\*張翠姝/1988\*2004 Presidents)

鴻儒碩學名耀航宇 恩澤廣被惠我科工

What a big shock to hear Frank's passing!

As our longtime friend, Frank will be remembered for his enthusiasm and love of family and friends. As a CESASC's past Board Chair and President, Dr. Wang's contribution and broad knowledge have set a great sample for all of us. May his family find comfort in the memories that are theirs to cherish always, and strength in the companionship of good friends. Frank's smiling face will be in our hearts forever.

### **Catherine Kwan** (寧克嘉/1991 President)

My involvement with CESASC has a lot to do with Frank Wang. In 1993, Frank called and asked if I would consider running for president of CESASC. I was surprised because at that time, the organization was run mostly by male engineers from large companies such as Hughes, Aerospace, etc. I was a woman professor of Molecular Biology, very different from most members. However, Frank with his foresight, thought nothing of it, he assured me there is always a first for everything. I decided that it is about time. I was elected and became the first female president. From then on there were many great women Presidents, such as Elizabeth Im, Shirley Ho etc. Frank was a person of unconventional thinking, he was very generous, very considerate, very unselfish. I will miss him.



# In Memoriam -- H.E. Frank Wang (1929-2020)

## Fondest Remembrances

### **George Chao** (趙家鈞/1992 President)

Dr. Frank Wang had a distinguished career at The Aerospace Corporation. He was the principal director of the Space Test and Experimentation Directorate for many years. I supported several projects under his leadership, including the ROCSAT of Taiwan's first space project. At the 1999 Program Recognition Award and Banquet, Frank sat at the center of the VIP table surrounded by Aerospace CEO, VPs and Air Force generals/colonels. I was really proud of him for his outstanding achievements! He sure was a role model for many of us.

### **Munson A. Kwok** (郭民生/1998 President)

Frank was one of the first and few Chinese Americans to rise to what we called Level 4, Division Director. He did it in programs, on the challenging front line of our company and was known as a respected leader and engineer. He was one of the first mentors of our APA group across all of Aerospace Corporation in those earliest days. He was founding president of CESASC Scholarship Foundation. He will be sorely missed.

### **Sheng-Rong Lin** (林勝榮/2000 President)

Frank, our friend. Many of us have followed Frank's footsteps at CESASC and The Aerospace Corporation. He was a major player in leading us to fight for our rights at Aerospace as an Asian-American minority under the Equal Employment Opportunity Act of 1972. Frank's technical and program leadership as Principal Director of the Space Test Program (STP) has shown us how to achieve advancement in the management ranks in corporate America. STP is designated as the executive agent for all DOD R&D experiments. For over 50 years, STP has executed many missions and provided space access for over 500 DOD experiments. Data from these experiments has directly and dramatically enhanced current operational space capabilities in the US. Frank was a major STP player. Frank will always be in our hearts.

### **Yutao He** (何宇滔/2012 President)

Although I didn't have much direct interactions with Dr. Wang during my tenure at CESASC, I nevertheless greatly benefited from the legacy and inspiration that he had left through his trailblazing dedication to Chinese Americans in aerospace industries. May Dr. Wang rest in peace.



## In Memoriam -- Sherman S. Y. Yu (1927-2020)

*by Edward Liu (劉漢忠/CESASC 1990 President)*



*We lost a great friend, CESASC lost a loyal volunteer!*

Sherman Yu served as CESASC President in 1987, and the Chairman of the Board in 1989. Between 1987 and 1997, he further played an important role in the background of many major programs in CESASC's history. Sherman was one of the initiators helping CESASC launch outreach programs with Pacific Rim countries. He organized a lecture tour to Taiwan on the subject of communication satellites. In order to serve the younger generation, a mini program was created and devoted to the career awareness in aerospace engineering for the first time.

It turned out to be very successful, even in a difficult financial time during the world economic recession. After Henry Chi's retirement, Sherman succeeded him and served as the Chairman of the Fundraising Committee of the CESASC Scholarship Foundation.

Sherman also spared no effort to invite Honorable George E. Brown, Jr., Chairman of the Committee on Science, Space and Technology of the US House of Representatives, to attend the 1994 CESASC annual convention. He also worked very hard quietly to support many CESASC's special projects and made great contribution consistently in many other areas. He led CESASC in fulfilling its historical tasks, which made CESASC highly recognized by the mainstream community in the United States and the international community.

Sherman Yu and I were colleagues at HAC (Hughes Aircraft Co.). Sherman had such a unique amazing photographic memory. During the business meetings, he was always the first one to be asked when searching for the right data. His brain works like an index of a book. He also had a simple diet with large amounts of food for each meal. In his lunch box, he always brought half of a fresh lettuce and half of a boiled chicken with no salt, no pepper and no seasonings. It never changed for years.

After Sherman and I both retired for almost two decades, we always chatted with each other on the phone. We talked about family and politics, shared about the information of current affairs, Chinese classic tapes/videos, hung out and enjoyed good food together. We continuously supported CESASC activities together over the past decades. Sherman was such a gentleman and was never emotional, he always had a soft voice for as long as I knew him. He was a loving, caring and dedicated husband, father and grandfather to his family. He was always understanding, generous, kind, and loyal to his friends. What made Sherman close to the people around him, were his soft and warm personality and an optimistic attitude with a smiling face to everyone.

Bless you, Sherman! We all miss you!



# In Memoriam -- Sherman S. Y. Yu (1927-2020)

by Catherine Kwan (寧克嘉/CESASC 1991 President)

## Sherman Yu, I Would Always Remember You

Sherman was an interesting person. He was always full of energy. His moon lighting job was a realtor, he was energetic, enthusiastic, hard-working, honest and straightforward, he was very successful in selling and buying high end houses in Palos Verdes. He worked as a realtor after retirement, well passed 85.

Sherman always enjoyed life, his great appetite was some sort of a legend. He told me once that for lunch in his office, he ate half a chicken plus a whole head of lettuce, he ate the lettuce by biting into the head as if eating an apple.

Sherman was good with games. He played mahjong without arranging the tiles according to their suits. He was good at poker, almost always won. He was good with crap, in Las Vegas, he won most of the time.

He loved dancing and karaoke, sometimes he can play the piano and made it sounded like Chinese opera music. He liked line dances, often he was the only guy among 15 or more lady dancers. He was a good cook, I remember his cutting abilities, he sliced meat and vegetables into such thin, even pieces better than all the ladies.

As I think about him, every time I come across something beautiful, I would remember him. Here is a poem called

### *A Thousand Winds*

*Do not stand at my grave and wive,*

*I am not there, I do not sleep,*

*I am a thousand winds that blow,*

*I am the diamond glints on snow,*

*I am the sunlight on ripened grain.*

*I am the gentle autumn rain,*

*When you awaken in the morning's hush,*

*I am the swift uplifting of quiet birds in circled flight.*

*Do not stand at my grave and cry, I am not there, I did not die.*

It is our great loss that such an interesting person is gone. He will be greatly missed.



# In Memoriam -- Sherman S. Y. Yu (1927-2020)

## Sherman Yu: Forever in Our Hearts and Prayers



*Sherman organized a picnic in 1987 when he served as CESASC President*



*Sherman visited Henry & Lois Chi with Wei Kao and Edward Liu*

### **Tennyson Wang** (王滇聲/1980 President)

Facing the challenge of limited space in memory of Sherman, my wife said you only need 6 words: “Sherman was a MR. NICE GUY”. That means as a smiling gregarious person, he was truthful, honest, and down to earth; as a friend, he was compassionate, loyal, and giving; and as a professional, he was engaging, probing and always curious about the world around us. His Journey took him from Beida in China to Teaching Assistant at Taida. We both worked at Boeing and TRW (he got me the interview there) before he went on to Hughes. Sherman also had many talents—unofficially delegated as a professional photographer at weddings for the pretty girls and at various social events; a friendly yet competitive player of poker and mahjong; also a consuming gourmet foodie.

### **Chih-Ming & Shirley Ho** (何志明\*張翠妹/1988\*2004 Presidents)

善氣迎人科工翹楚 元藝精湛名至實歸

Words couldn't express our heartfelt condolences for the loss of Sherman!

Over the years, all of his friends have been very impressed on his kindness and affability. As a CESASC's past Board Chair and President, his dedication and enthusiasm of data and photo preservation enabled CESASC to present a very successful 50th Anniversary Gala. What a wonderful historian and role model Sherman has been! Wishing his family peace to bring comfort and courage to face the days ahead. Sherman's kind face remains forever in our hearts.

### **George Chao** (趙家鈞/1992 President)

Dr. Sherman Yu was a very dedicated CESASC member. He contributed to the organization in the positions as the president and also as the chairman of the board. He always impressed people with his warm and easygoing personality. Sherman was widely respected as an honest and kind gentleman. I was fortunate for being one of his and his lovely wife, Anna's close friends! I truly miss him very much!

# In Memoriam -- Sherman S. Y. Yu (1927-2020)

## Sherman Yu: Forever in Our Hearts and Prayers

### **Wei Kao (高為雄/1989 President)**

My wife Marina and I have known Anna and Sherman Yu since 1985. For the last 35 years, Sherman, Eddie Liu, myself and some other good friends, met frequently to eat, chat, discuss, and do planning on various subjects including CESASC activities and establishing fund for encouraging students of China to select law and social science as majors in US graduate studies. Sherman was warm, sincere and good tempered, and was a person with positive energy to his friends. I dearly miss his gentle smiles, loud laughs, and the memorable Karaoke times with him and Anna. Those were the memorable good old days! Sherman my dear friend, Rest in Peace!

### **Chun-I P. Chen (陳君儀/1995 Secretary)**

As a CESASC former President and Board Chair, Dr. Sherman Yu had provided his strong leadership and dedicated services to this prestige organization. He has also set a good example as a role model to help and inspire young Chinese American engineers in achieving their professional excellence. Dr. Yu's love and contribution to CESASC will be cherished forever.

### **Shan Lee (李珊/2005 President)**

Just a few months ago, I heard that Sherman moved to a convalescent home. I spoke to Eddie about paying him a visit, but the Coronavirus pandemic ground everything to a halt. Then it was too late... I learned that he got into real estate business after working in the aerospace industry. So we had a common interest that we shared whenever we met at different occasions. We launched the oral history project a couple of years ago. He was one of the past presidents of CESASC that we planned to interview. But due to his health condition, he could not come to the Cal State campus and the logistics of the program made it difficult to do a field interview. We missed another opportunity to hear from him personally about his life and career. He is someone we always look up to and it is a big loss to our community.

### **Jason Wen & Yue Rong (溫俊山 & 容躍/2011 & 2015 Presidents)**

Our condolences to the Yu's family and the CESASC family for passing of Dr. Sherman Yu (于善元). We celebrate Dr. Yu's long-term contribution and legacy to CESASC as Secretary in 1966, President in 1987 and continued involvement. As younger generation, we are fortunately able to work for CESASC based on a solid foundation Dr. Yu helped build in the areas of technical and scientific leadership, youth development, and scholarship. One impressive aspect Sherman promoted and brought to CESASC family was to have a healthy social interaction and life style. Sherman's contribution has inspired succeeding CESASC presidents and officers to continue our tradition and excellence.



**CONTEST WINNERS**

**“Creativity against COVID-19”**

**Student**

***\$1,500 Grant Prize Winner:***

**Justin Koo**

Title: COVID-19: Guide for Families

Age: 9

Castlebay Lane Charter School, CA

***\$500 Second Prize Winners:***

**Kevin Lou**, 14, Kent Denver School, CO

**Vanessa Lin**, 7, Montemalaga Elementary School, CA

**Anda Xie**, 12, Hawthorne Elementary School, UT

**Ziyao Zhuo**, 16, Mark Keppel High School, CA

**Rachel Liang**, 17, Clayton Highschool, MO

**Justin Goh**, 16, Stargate High School, CO

**Adam Yeung**, 18, Cranbrook Schools, IN

**Prudence Peng**, 8, Prairie Trace Elementary School, IN

***\$250 Third Prize Winners:***

**Peter Yu**, 11, Westhoff Elementary, CA

**Danielle Riss**, 15, Kent Denver School, CO

**Winston Lin**, 11, Astra Nova, CA

Teamwork of Mandarin Playground, Seattle, WA

**Sabrina Yeh**, 14, Troy High, CA

**Yian Shao**, 14, Olympia High School, WA

**Emily Zhao**, 16, Naperville North High School, IL

**Anna Wang**, 17, Louisville High School, CA

**Richard Geng**, 13, Central Middle School, IN

**Huixi Wang**, 16, Saint James School, China

**Jessica Zhao**, 17, North Penn High School, PA

Alice Yu, 16, Torrey Pines High School, CA

**Biyi(Chloe) Shi**, 16, Flintridge Sacred Heart Academy, CA

Linda Xu, 8, Legacy Christian Academy, CA

**Kelly Cheng**, 11, Solana Pacific Elementary School, CA

**Alicia Li**, 14, Lake Oswego High School, OR

**Organizing Committee of “Creativity against COVID-19” Young Creative Artists Contest**

Advisory committee:

Lily Lee Chen, former Mayor of Monterey Park, CA

Dr. Cun-Yu Wang, Member, Institute of Medicine of National Academies

Haipei Shue, President, UCA

Dr. Hui Su, Chairwoman of the Board, CESASC

Joy Chen, former Deputy Mayor of Los Angeles, CA

Xiaodong Zeng, former Managing Director of Z-Park & World Bank officer.

Mingdi Yang, Founder of Xiaoduo & Publisher of Front Vision

Hei Feng, Chinese American artist

Steve Chiang, Publisher of Chinese Daily Newspaper.

Yue Rong, Chairman of the Board, CUAASC

Liam Li, Managing Director of Himalaya Capital

Joey Zhou, Chief Editor of UCA-BMXSJ

Jing Yang, President of NewsAgencyAmerica

Winner selection committee:

Lily Lee Chen, Dr. Cun-Yu Wang, Haipei Shue, Dr. Hui Su, Joy Chen, Xiaodong Zeng, Mingdi Yang, Hei Feng, Steve Chiang, Yue Rong, Liam Li, Ying Zhan, Jun Sun, Tao Jiang, Sun Liu, Zhang, Dr. Helen Shih, Lily Chen, Jian Ruan, Dr. Jingyi Xi



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

[www.cesasc.org](http://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 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 Historymaker's Awards Ceremony. In 2019, CESASC was recognized as the recipient of the *2019 Community Partner of the Year* by Chinese-American Elected Officials.

### 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, LEAP, 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 2013, CESASC started a LEAP program working together with college student organizations to provide career-related guidance, education, mentorship and opportunities to help young generations for their professional development. 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.

### 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.



CESASC Media  
WeChat Channel



CESASC  
YouTube Channel  
CESASC Anniversary Journal



## 南加州中華科學會簡介

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

南加州中華科學會 (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, 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、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 年元月開始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 2015-2017 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。2018-19 年, 科工會與何振岱文化研究美國基金會聯袂推出“藝術與科技”海報設計大賽, 以推動科技與藝術的完美結合。

具有五十八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 Officers and Directors (1962-1986)

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		Theodore Wu	Tung Po Lin	Kam Wong	Sheng To Chu	
1968		Ju Chin Chu	Kam L. Wang	Chia Huan Lee	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

**CESASC Officers and Directors (1987-2006)**

Year	Chairman	President	Vice-President	Secretary	Treasurer	Directors
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
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-Im, 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



## CESASC Officers and Directors (2007-2020)

Year	Chairman	President	Vice-President	Secretary	Treasurer	Directors
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,



## ACKNOWLEDGEMENTS

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## MESSAGE

From CESASC New President 2020-2021

August 29, 2020

Dear CESASC Members and Friends:

I am humbled and honored to serve as CESASC president of 2020/2021.



Founded in 1962, CESASC has excellent legacy inspiring multiple generations of Chinese American engineers and scientists in career advancement and business innovation. We are committed to furthering this mission in the years to come.

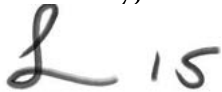
COVID-19 pandemic and the escalating international political tensions created strong headwind to Chinese Americans on business and careers. Many of us had to cut back our ambitious American dreams or suffered from unexpected difficulties even unfair treatments. CESASC's priority for this coming year is to collaborate broadly with community organizations to **SURVIVE and THRIVE** in these unprecedented challenges.

On behalf of CESASC Chairman Dr. Ping Zhou, Vice president Dr. Bruce Liu and all CESASC 2020/2021 executive team members, I welcome generous sponsors, diligent volunteers and visionary collaborators to work together to create the very needed, meaningful and positive impact to our community at this critical moment.

Please contact us at our website [www.CESASC.org](http://www.CESASC.org) or Facebook page [Facebook.com/CESASC](https://www.facebook.com/CESASC) for latest information.

Spring will come on time no matter how thick the winter is. I am sure our life and career will be back on track very soon. Our American dream journey will continue to stride. I am looking forward to seeing you face to face at CESASC local events to learn your success story.

Sincerely,



Dr. Charley Lu (盧春雨)

CESASC President 2020-2021



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