



南加州中華理工學會

Chinese-American Engineers and Scientists Association of Southern California

Since 1962 in USA

www.cesasc.org

INHERIT INNOVATE INSPIRE

甲子傳承，激勵創新

60TH
CESASC
ANNUAL
CONVENTION
JOURNAL

2022

~ 六十週年紀念特刊 ~

60th Anniversary Special Edition

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CESASC 60th Anniversary Special Edition Journal

南加州中華科工學會六十週年紀念特刊

Editors: Dr. Hui Su (蘇慧博士) and Dr. Liping Yan (顏利平博士)

TABLE OF CONTENTS

<i>Content</i>	<i>Page No.</i>
The 60th CESASC Convention Information	
CESASC President Remarks	3
Congratulatory Letters from Various Dignitaries and Agencies	4-8
2022 CESASC Annual Convention Daytime Program	9
2022 Technical Symposium Speakers	10
2022 Entrepreneurship and Innovation Forum Panelists	11
CESASC 60 th Anniversary Evening Program	12
2022 CESASC Achievement Award Recipients and Keynote Speakers	13-15
2022 CESASC Henry Chi Service Award and Appreciation Award Recipients	16-17
CESASC Outstanding Partner Award	18
2022 CESASC Banquet Gala Program Masters of Ceremony and Performers	19-20
Former Presidents' Donations	21
Advertisements of Sponsors	22-32
2022 CESASC Scholarship Recipients	33-35
2022 CESASC Scholarship Committee	35
2022 CESASC STEAM Essay Contest and Winners	36
2022 CESASC JHJ Prize for Fundamental Science and Recipients	37
2022 CESASC STEAM Essay and JHJ Prize Committee	38
CESASC Scholarship Foundation Scholarship Endowments and Special Funds	39
Activities During 2021 – 2022	
2021 CESASC 59 th Annual Convention	40
Activities Pictures	41-42
CESASC STEM Seminars by Dr. Jonathan H. Jiang	43
Tribute to CESASC and Congratulations on the 60th Anniversary	
Tribute to CESASC <i>By Former CESASC Officers, Committee Members, and Awardees</i>	44-46
Thanks to CESASC and Congratulations on the 60 th Anniversary <i>By Previous CESASC Scholarship Recipients</i>	47-57

TABLE OF CONTENTS (CONTINUED)

Content	Page No.
Retrospect and Reflections	
My Reflections on CESASC <i>By Dr. Chih-Ming Ho (何志明), CESASC President (1988)</i>	58
A Reflection on the Growth History of CESASC to Celebrate its 60th Anniversary <i>By Dr. Wei H. Kao (高為雄), CESASC President (1989)</i>	59
Retrospect of CESASC 50th Anniversary Gala <i>By Shirley Ho (何張翠姝), CESASC President (2004)</i>	60-61
My Efforts at CESASC <i>By Shan Lee (李珊), CESASC President (2005)</i>	62
Special Thanks to CESASC <i>By Dean Ho (何鼎), CESASC Research Poster Session Co-Chair (2005)</i>	63-64
LEAP Into a New Journey in the 7th Decade <i>By Dr. Yutao He (何宇滔), CESASC President (2012)</i>	65-66
My Services at CESASC and Three Big Celebrations of CESASC's Three 10th Anniversaries <i>By Dr. Liping Yan (顏利平), CESASC President (2013)</i>	67-69
My Services at CESASC <i>By Dr. Dankai Liu (劉登凱), CESASC President (2014)</i>	70-72
Thanks to CESASC, I Met Two Nobel Laureates <i>By Dr. Yue Rong (容躍), CESASC President (2015)</i>	73
My CESASC Presidency from 2016 to 2017 <i>By Lan Saadatnejadi (茹蘭), CESASC President (2016)</i>	74-75
My CESASC Presidency Year <i>By Dongmei Huang (黃冬梅), CESASC President (2017)</i>	76-77
From Worry to Joy: 2018-2019 <i>By Dr. Hui Su (蘇慧), CESASC President (2018)</i>	78-81
The First-Ever CESASC Annual Convention on Virtual Platform <i>By Dr. Ping Zhou (周平), CESASC President (2019)</i>	82
The First Face-to-Face Party after 18 Months (疫情後首次線下聚會) <i>By Dr. Charley Lu (盧春雨), CESASC President (2020)</i>	83
Growing with CESASC <i>By Dr. Yu Gu (古瑜), CESASC Vice President (2021)</i>	84-85
CESASC 2022 Mother's Day Gathering <i>By Dr. Jiachen Zhang (張佳辰), CESASC Board Member (2021)</i>	86-87
In Memoriam	88-93
CESASC Introduction (English)	94
CESASC Former Board Officers and Past Keynoters & Lifetime Members	95-97
Acknowledgements	98-99

WELCOME MESSAGE
FROM CESASC PRESIDENT 2021-2022
JUNE 26, 2022



Dear CESASC Members and Friends:

Welcome to the 60th CESASC Annual Convention and anniversary celebration gala! After two long years of the pandemic and many virtual events, we finally meet in person again. It is really a great feeling!

This year, we chose “**Inherit, Innovate, Inspire**” as the theme to celebrate CESASC’s 60 years of legacy. At the convention, you will see a short video of CESASC’s history and milestones. This special edition of annual journal also contains stories from many former CESACS Presidents.

We start our event in the afternoon with Entrepreneurship & Innovation Forum. Five speakers will share their experiences and ideas in utilizing sciences and technologies to achieve business goals. Next, three speakers will discuss their fascinating explorations in Technical Symposium.

Our evening program will feature three distinguished keynote speeches. Dr. Kai-Fu Lee will talk about “*AI+Healthcare*” *Challenges & Opportunities*. Professor Yitang Zhang will share his extraordinary academic career. Professor Yang Chai will talk about *Enhancing Smiles, Changing Lives: Stem Cells in Tissue Regeneration and Diseases*. Professor Zhang is a recipient of 2019 CESASC Achievement Award and Dr. Lee and Professor Chai are the recipients of 2022 CESASC Achievement Award.

CESASC has been a leader in inspiring and supporting young scientists, engineers, entrepreneurs and artists. Congratulations to all 2022 recipients of CESASC Scholarship, Lisa Lu Scholarship, Zhendai He Scholarship, and winners of the STEAM Essay Contest, and the JHJ Prize for Fundamental Science.

At CESASC, services and collaborations are highly valued. This year, Dr. Liping Yan is the recipient of CESASC Henry Chi Service Award and Mr. Manwai Szeto is the recipient of CESASC Appreciation Award. CESASC Scholarship Foundation will receive CESASC Outstanding Partner Award. With COVID-19 lingering, it has been challenging to organize such a big event. I want to thank our executive team and volunteers for their hard work, and thank sponsors, partners, and everyone here for your strong support!

Hope you enjoy this year’s convention. I look forward to seeing you again next year.

Sincerely,

A handwritten signature in blue ink, appearing to be 'Bruce Liu'.

Bruce Liu, Ph.D.
President of CESASC

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

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House of Representatives
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WASHINGTON OFFICE:

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

PASADENA DISTRICT OFFICE:

527 South Lake Avenue, Suite 250
Pasadena, CA 91101
(626) 304-0110
(626) 304-0132 (Fax)

June 26, 2022
Pacific Palms Resort
1 Industry Hills Pkwy
City of Industry, CA 91744

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 60th Annual Convention.



The Chinese-American Engineers and Scientists Association of Southern California has positively impacted the fields of Science, Technology, Engineering, and Mathematics.

The 60th Annual Convention – “Inherit Innovate Inspire” features innovative technologies for better sustainability and provides a platform for engineering and science professionals to network and broaden exposure, while recognizing the challenges faced during the global pandemic. These individuals are making history, and through recognition and unrelenting support, the Chinese-American Engineers and Scientists Association of Southern California will continue to push for innovation and discovery amidst these challenging times.

I commend the 60th Annual Convention’s attendees and would like to encourage the researchers to continue protecting the interests and rights of scientists and engineers through organizational efforts. I also support the Association’s work in building cross-cultural relationships through global and local networking.

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

Sincerely,

JUDY CHU, Ph.D.

Member of Congress, 27th District

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

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ASSEMBLY MEMBER, FORTY-NINTH DISTRICT

DISTRICT OFFICE
1255 CORPORATE CENTER DR., SUITE 216
MONTEREY PARK, CA 91754
(323) 264-4949
FAX (323) 264-4916

June 26, 2022

Dr. Bruce Liu, President
Dr. Charley Lu, Chairman
CESASC

Dear Friends,



Congratulations to the Chinese-American Engineers and Scientists Association of Southern California (CESASC) on hosting their 60th Anniversary Annual Convention, "Inherit, Innovate, Inspire," this evening at the Pacific Palms Resort!

I applaud the mission of CESASC to serve as a platform to enrich the experience of their members through technical conferences, workshops and global networking opportunities. As one of the largest Chinese-American professional organizations in Southern California, CESASC strives to inspire and mentor the next generation of Science, Technology, Engineering and Mathematics (STEM) leaders.

On behalf of the California State Assembly's 49th District, I am honored to celebrate CESASC's 60th Anniversary Annual Convention. I offer my congratulations and best wishes for the continued success of your organization.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mike Fong".

Mike Fong
Assembly Member, 49th District



BOARD OF SUPERVISORS COUNTY OF LOS ANGELES

856 KENNETH HAHN HALL OF ADMINISTRATION / LOS ANGELES, CALIFORNIA 90012
Telephone (213) 974-4111 / FAX (213) 613-1739

HILDA L. SOLIS
SUPERVISOR, FIRST DISTRICT

June 26, 2022

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

Dear CESASC and Friends,

Good evening to all who are here today in support of the Chinese-American Engineers and Scientists Association of Southern California. On behalf of Los Angeles County's First District, it is my pleasure to congratulate you on your 60th annual convention.

I am honored to support CESASC in your efforts to provide a platform for Chinese-American scientists and engineers to connect, network, and celebrate their work. As the COVID-19 pandemic has demonstrated, a strong scientific background is more important than ever. I commend CESASC for your continued efforts to uplift science and engineering in the San Gabriel Valley and beyond. Your work is critical in ensuring that our communities and workforce remain strong. I wish you continued success, congratulations on 60 wonderful years, and here's to 60 more!

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

Sincerely,

A handwritten signature in blue ink that reads "Hilda L. Solis". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

HILDA L. SOLIS
Supervisor, First District
Board of Supervisors



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KATHRYN BARGER
SUPERVISOR, FIFTH DISTRICT

June 26, 2022

Chinese-American Engineers and Scientists Association of Southern California
3407 W. 6th St., #400
Los Angeles, CA 90020

Dear Friends,

It's a privilege to extend my thanks and recognition to everyone gathered to celebrate the Chinese-American Engineers and Scientists Association of Southern California's 60th Annual Convention.

Your organization has made a tremendous impact to cultivate collaboration for experts and professionals in the scientific, technical, and engineering fields in Los Angeles County and around the world. Your dedication to enrich and inspire future generations through scholarships, STEM, LEAP, and other youth programs is truly inspiring.

Congratulations to all the deserving honorees and best wishes to the incoming board officers. I look forward to the great contributions and positive impact you will make in service to our communities.

Best wishes,

KATHRYN BARGER
Supervisor, Fifth District



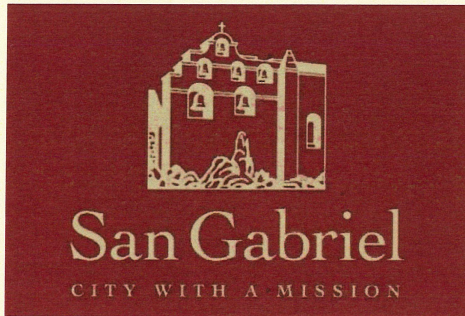
ANTELOPE VALLEY
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Lancaster, CA 93534
(661) 726-3600

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615 East Foothill Boulevard, Suite A
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Santa Clarita, CA 91355
(661) 287-3657



June 26, 2022

Dr. Bruce Liu
President
Chinese-American Engineers and Scientists
Association of Southern California

Dear Dr. Liu,

It is a great honor and pleasure to congratulate the Chinese-American Engineers and Scientists Association of Southern California (CESASC) on their 60th Annual Convention Journal - Inherit, Innovate, Inspire.

Founded in 1962, CESASC's dedication to promote and advocate the best interests, aspirations, and professional excellence of Chinese-American engineers and scientists, and to provide career and educational enhancement opportunities, technical exchange, fellowship and community service is commendable. The City of San Gabriel appreciates the hard work that CESASC has done in empowering the Chinese-American engineers and scientists.

My heartfelt congratulations and well wishes to CESASC for continued success!

Very truly yours,

Tony Ding
Mayor
City of San Gabriel

2022 CESASC Convention Daytime Program
南加州中華科工學會第 60 屆年會研討會
1:00 pm – 5:00 pm, June 26, 2022
Pacific Palms Resort, City of Industry, CA
60-Year Legacy 甲子傳承
Inherit, Innovate, Inspire 激勵創新

TIME	TOPIC AND LOCATION
1:00 ~ 1:30 pm	Registration and Networking (Lobby)
Majestic Ballroom	
1:30 ~ 3:00 pm	<p style="text-align: center;"><u>Entrepreneurship & Innovation Forum</u></p> <p>Moderator: <i>Dr. Jiachen Zhang</i>, Entrepreneurship & Innovation Committee Chair</p> <p>1:30 – 2:15 pm Panel Discussion: Trends in the Startup Ecosystem in Southern California and Advice for Entrepreneurs and Investors Speakers: <i>Mr. John Shen, Mr. Zhen Wang</i></p> <p>2:15 – 3:00 pm Panel Discussion: Innovation and Entrepreneurship in Healthcare – Opportunity and Challenges in the Post-pandemic Era Speakers: <i>Dr. Ling Ding, Ms. Rui (Alina) Su, Mr. Yu (Aaron) Ma</i></p>
3:00 ~ 3:15 pm	Break
3:15 ~ 4:45 pm	<p style="text-align: center;"><u>Technical Symposium</u></p> <p>Moderator: <i>Dr. Jingtian Su</i>, Technical Symposium Committee Chair</p> <p>3:15 – 3:45 pm Speaker: <i>Prof. Yun Wang</i> Topic: Polymer Electrolyte Membrane Fuel Cell for Vehicles</p> <p>3:45 – 4:15 pm Speaker: <i>Prof. Wei Wu</i> Topic: A Memristor-based Hybrid Analog-digital Computing Platform for Mobile Robotics</p> <p>4:15 – 4:45 pm Speaker: <i>Dr. Abhishek Singh</i> Topic: The Importance of Recycled Water Recharge & Reuse for Southern California - Past, Present, and Future</p>
4:45 ~ 5:00 pm	Press Conference (Majestic Ballroom)
5:00 ~ 6:00 pm	Registration and Networking (Lobby)

2022 Technical Symposium Speakers



Dr. Yun Wang is a professor in the Department of Mechanical and Aerospace Engineering, University of California, Irvine. He received his B.S. and M.S. degrees in Mechanics and Engineering Science from Peking University in 1998 and 2001, respectively. He went to Pennsylvania State University where he earned his Ph.D. degree in Mechanical Engineering in 2006. Dr. Wang has published over 80 journal articles on PEM fuel cell, Li-air battery, and other energy systems. He has received a number of awards, including the prestigious President's Award and Outstanding Educator Award from Orange County Engineering Council and the 2011-2012 Applied Energy Certificate of Excellence: Most Downloaded Authors. Several of his seminal works are highly cited in major energy/power journals. Dr. Wang served as Track

chair/co-chair, session chair/co-chair, conference chair and committee member for many international conferences on power and energy. Dr. Wang received 2018 Reviewer of The Year from the Journal of Electrochemical Energy Conversion and Storage. Dr. Wang is the RSC and ASME fellow.



Dr. Wei Wu is an Associate Professor at the Ming Hsieh Department of Electrical and Computer Engineering, University of Southern California. He graduated from Peking University with a BS in Physics in 1996 and received a Ph.D. in Electrical Engineering from Princeton University in 2003. Before joining USC in 2012, he had worked as research associate, scientist, and senior scientist at HP labs. His work includes nanoimprint lithography and applications in nano-electronics, nano-photonics, plasmonics, chemical sensing and nano-electrochemical cells. He co-authored 116 peer-reviewed scientific journal papers with 10620 citations, 2 book chapters and more than 100 conference presentations, including 16 keynote and invited presentations. He

has 118 granted US patents. Half of them were also filed internationally. His H-index is 49. He is a co-editor of Applied Physics A and an associate editor of IEEE Transactions on Nanotechnology and regional editor (North America) of Nanomanufacturing and Metrology. He was also an IEEE Nanotechnology Council 2015 and 2016 distinguished lecturer, and a recipient of USC Stevens Center for Innovation Commercialization Award 2020.



Dr. Abhishek Singh is a registered California Professional Engineer with more than 17 years of research and consulting experience in the areas of water resources planning and management, hydrologic modeling (surface water and groundwater), risk and uncertainty analyses, optimization techniques, geographic information systems (GIS), and data analytics. He leads INTERA's Water Resources & Supply Line of Business and manages several projects in California involving integrated water resources planning; groundwater sustainability planning under SGMA; assessing water supplies and infrastructure; modeling complex hydrogeologic systems including surface-water/groundwater interactions and seawater intrusion; fate and transport modeling; remedial investigations for contaminated sites; climate change impact assessments; developing GIS and geodatabases; and field-scale

hydrologic and water quality data-collection. Dr. Singh has served as a technical expert on groundwater litigation cases and provides permitting and regulatory support to water agencies across California.

2022 Entrepreneurship and Innovation Forum Panelists



Dr. Carrie Ding earned her M.D. and Ph.D. degrees from Zhejiang University, served as a clinical professor of medical oncology and a supervisor of the medical master program in the Second Affiliated Hospital of Zhejiang University. She has over 20 years of clinical and research experiences, specializing in breast cancer and lung cancer. Dr. Ding has also performed medical research as a visiting scholar in UCLA and Creighton University. Dr. Ding currently serves as the president of the USA Chinese Scholars Association and the founder of Dr's Voice Foundation. She devotes herself to serve the community and general public, integrating medical and literary expertise to improve physical and mental health. As the CEO of VitCell Health LLC, which focuses on the target detection and functional adjustment of intracellular nutrition, Dr. Ding leads the team in conducting personal preventive measures against health problems and aging.



Mr. Zhen Wang is a co-founder of Cheese, a neobank that offers users a debit card in the US with cash rewards, credit building, and fee-free features all within your mobile applications. Cheese has over 100+ users currently in the United States and focuses on serving the immigrant communities while providing renewed banking concepts to other consumer segments. In addition to Cheese, Zhen founded Technology Credit, a SaaS product that focuses on helping start-ups with R&D tax credit claims. Zhen has helped over 120 early-stage startups successfully claim 10+ million R&D tax credits since 2018. The product helps businesses claim R&D credits at no upfront cost. Before establishing Technology Credit, Zhen was Ernst & Young's (EY) US R&D tax credit leader in the Southern California markets, and EY Greater China's R&D leader. Zhen has 11 years of R&D tax credit experience in the US with EY, including extensive IRS and State tax audits.



Mr. John Shen earned his Bachelor degree from Peking University in 1992 and a Master degree in Statistics and Decision Sciences from Duke University in 1996. As the founder and current Chief Executive Officer of American Lending Center (ALC) headquartered in Irvine, California, he has successfully turned a small startup into one of the most successful non-bank small business lending institutions in the country in the last decade. Since 2015, John has successively founded three other dynamic startups – a diversified investment firm in Sunstone Management, a “Trustech” company in Sunstone Trust Company (STC), and a “virtual kitchen/food hall” developer and operator in Partake Collective (Partake), all under innovative business concepts. As a distinguished alumnus, John won the “Forever Duke” award by Duke University in 2015. John was selected by the board of Marquis Who's Who to receive “The Albert Nelson Lifetime Achievement Award”.



Ms. Alina Rui Su is a Harvard Medical School PhD student, Founder and CEO of NovaXS Biotech, focusing on new drug delivery with a smart needle-free injection medical device platform. She has many years of experience in international biomedical health innovation and technology transformation. She is a multiple medical device patent inventor, and Berkeley Lawrence National Laboratory regenerative medicine and stem cell researcher. She participated in the development of Allojoin, the first mesenchymal stem cell drug in China. She is an Innovation and Entrepreneurship Leader of U8 World Innovation Summit, Leader of MIT-Chief-US Entrepreneurship and U8 Innovation Summit, Chairman of Berkeley ISPE International Society of Pharmaceutical Engineering and Translational Medicine and Stem Cell Association.



Mr. Aaron Ma is the Director of Clinical Research and Data Science at Cognitive Leap, a global digital mental health company focusing on mental health challenges such as ADHD. Cognitive Leap is a pioneer in the area of digital diagnostic and therapeutic systems, aiming to empower and extend the capabilities of clinicians and therapists globally by providing products that are accessible, affordable and available to all. Aaron oversees clinical trial design and implementation at Cognitive Leap. As Principal Investigator, Aaron successfully completed a multi-site clinical trial to test the acceptability and feasibility of Virtual Reality Attention Tracker (VRAT) in assessing attention and inhibitory control. Aaron is leading the effort in 510(k) submission of the VRAT software as a medical device to FDA. Aaron holds a B.S. in Statistics and Applied Mathematics from the University of California at Berkeley, and a M.S. in Bioinformatic from Columbia University.

2022 CESASC Convention Evening Program

南加州中華科工學會第60屆年會晚宴慶典

6:00 pm – 9:30 pm, June 26, 2022, Pacific Palms Resort

60-Year Legacy 甲子傳承 Inherit, Innovate, Inspire 激勵創新

5:00 pm	Check-in and Social	
6:00 pm	Begin Gala	MCs: Mr. Shan Lee/Dr. Jiachen Zhang
6:05 pm	US National Anthem	Ms. Beverly Duan
6:10 pm	Welcome Remarks by CESASC President	Dr. Bruce Liu
6:15 pm	Remarks and Certificate Presentation by Elected Officials	Dr. Charley Lu
	California State Treasurer Fiona Ma, State Assembly Member Mike Fong	
	LA County Supervisor Hilda Solis, LA County Supervisor Katherine Barger	
	San Gabriel City May Tony Ding	
6:25 pm	CESASC 60-Year Legacy	CESASC Presidents
6:35 pm	Keynote Speech: "AI+Healthcare" Challenges & Opportunities	Dr. Kai-Fu Lee
7:00 pm	Technical Symposium Summary	Dr. Jingtian Su
7:05 pm	Entrepreneurship & Innovation Forum Summary	Dr. Jiachen Zhang
7:10 pm	Keynote Speech: My Academic Career	Dr. Yitang Zhang
7:35 pm	2022 Student Awards	
	CESASC Scholarship	Dr. Xudong Jia
	Lisa Lu Scholarship	Dr. Xudong Jia
	CESASC STEAM Essay Contest	Dr. Jonathan Jiang
	JHJ Prize	Dr. Jonathan Jiang
	Zhendai He Scholarship	Ms. Tina He
8:00 pm	Keynote Speech: Enhancing Smiles, Changing Lives: Stem Cells in Tissue Regeneration and Diseases	Dr. Yang Chai
8:25 pm	2022 CESASC Achievement Awards	Dr. Hui Su
	Dr. Kai-Fu Lee	
	Professor Yang Chai	
8:35 pm	CESASC Service Award, Appreciation Award, and Outstanding Partner Award	Dr. Hui Su
	Dr. Liping Yan - CESASC Henry Chi Service Award	
	Mr. Manwai Szeto - Appreciation Award	
	CESASC Scholarship Foundation - Outstanding Partner Award	
8:45 pm	2022/23 CESASC Board Installation	Congresswoman Judy Chu
8:55 pm	Remarks and Certificate Presentation by Congresswoman Judy Chu	
9:00 pm	Certificate Presentation to Outgoing Board Members	Dr. Charley Lu
9:05 pm	Erhu Performance: Horse Racing	Dr. Jason Wen
9:10 pm	2022/23 CESASC President Speech	Mr. Terry Guo
9:15 pm	Closing Remarks	Dr. Bruce Liu

Floor Managers: Dr. Kangshi Wang, Dr. Weiqun Chen, Dr. Tony Zhou

2022 CESASC Achievement Award Recipient and Keynote Speaker

Keynote Speech: AI+Healthcare Challenges & Opportunities



Kai-Fu Lee
PhD
李開復博士

Dr. Kai-Fu Lee is the Chairman and CEO of Sinovation Ventures (www.sinovationventures.com/) and President of Sinovation Venture's Artificial Intelligence Institute. Sinovation Ventures, managing US\$3 billion dual currency investment funds, is a leading venture capital firm focusing on developing the next generation deep tech companies in China. Prior to founding Sinovation in 2009, Dr. Lee was the President of Google China, and senior executives at Microsoft, SGI, and Apple. Dr. Lee received his Bachelor degree from Computer Science from Columbia University, Ph.D. from Carnegie Mellon University, as well as Honorary Doctorate Degrees from both Carnegie Mellon and the City University of Hong Kong. He is the Co-Chair of Artificial Intelligence Council for World Economic Forum Center for the Fourth Industrial Revolution, Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Times 100 in 2013, WIRED 25 Icons, and followed by over 50 million audience on social media.

Chairman and CEO



In the field of artificial intelligence, Dr. Lee built one of the first game playing programs to defeat a world champion (1988, Othello), as well as the world's first large-vocabulary, speaker-independent continuous speech recognition system. Dr. Lee founded Microsoft Research China, later renamed Microsoft Research Asia, which was named as the hottest research lab by MIT Technology Review. While with Apple, Dr. Lee led AI projects in speech and natural language, which have been featured on Good Morning America on ABC Television and the front page of Wall Street Journal. He has authored 10 U.S. patents, and more than 100 journal and conference papers. Altogether, Dr. Lee has been in artificial intelligence research, development, and investment for more than 30 years. His New York Times and Wall Street Journal bestselling book *AI Superpowers: China, Silicon Valley, and the New World Order* (aisuperpowers.com) discusses US-China co-leadership in the age of AI as well as the greater societal impacts brought upon by the AI technology revolution. His new co-authored book *AI 2041* published in fall 2021 explores how artificial intelligence will change our world over the next twenty years.

2022 CESASC Achievement Award Recipient and Keynote Speaker

Keynote Speech: Enhancing Smiles, Changing Lives: Stem Cells in Tissue Regeneration and Diseases



Yang Chai
DMD, DDS, PhD
柴洋博士

Professor of USC
Member of Academy
of Medicine

Dr. Yang Chai is the University Professor and the George and MaryLou Boone Chair in Craniofacial Biology at the University of Southern California. He serves as the Director of the Center for Craniofacial Molecular Biology (CCMB) and Associate Dean of Research at the Herman Ostrow School of Dentistry of USC. Dr. Chai earned a DMD degree from Peking University School of Stomatology as well as DDS and PhD in Craniofacial Biology from the University of Southern California. He is most noted for his research on craniofacial development and birth defects, which has transformed the field and led to the successful rescue of cleft palate in mouse embryos. He also studies stem cells and is currently using innovative 3D-printed scaffolds seeded with stem cells to regenerate tissue for patients who have lost bone due to trauma, congenital defects, or disease.

Dr. Chai is a member of the National Academy of Medicine. He is an elected member of the American Academy of Arts and Sciences (AAAS). Dr. Chai has authored more than 160 scientific papers and numerous book chapters, and recently edited a book on craniofacial development. Dr. Chai has been continuously funded by the National Institute of Health for more than 25 years. His work has earned him multiple awards including the NIH MERIT award and the 2011 IADR (International Association of Dental Research) Distinguished Scientist Award.

CESASC Lifetime Member and Keynote Speaker

Keynote Speech: My Academic Career



Yitang Zhang
PhD
張益唐博士

Professor of UCSB
Academician of
Academia Sinica

Dr. Yitang Zhang is a mathematician who emerged from relative obscurity with a landmark achievement in analytic number theory: the so-called bounded prime gap, which essentially establishes that the difference in spacing between two consecutive prime numbers is, infinitely often, bounded by a fixed number. His work has generated significant collaborations across the community to expand on his effort, and within months of his discovery that number was reduced from 70 million to less than 5,000. Zhang's impact will surely grow as he turns his focus and incredible perseverance to other truly hard questions in number theory.

Yitang Zhang received a B.S. (1982) and M.S. (1984) from Peking University and a Ph.D. (1991) from Purdue University. He is a professor in the Department of Mathematics at the University of California, Santa Barbara. He received MacArthur Fellow, Rolf Shock Prize, and Frank Nelson Cole Prize in Number Theory all in 2014, AAEOY Lifetime Achievement Award in 2018, Qiu Shi Distinguished Scientist Prize in 2016, and CESASC Achievement Award in 2019.

2022 CESASC Henry Chi Service Award Recipient



Liping Yan
PhD, P.E., G.E.
顏利平博士

Technical Specialist
Los Angeles
Department of Water
and Power

Dr. Liping Yan graduated from the Southwest Jiaotong University in China with a B.Eng. degree (1983) and an M.Eng. degree (1986), all in Civil Engineering. He obtained an MS degree and an Eng.D. from the California Institute of Technology and a Ph.D. from the University of Southern California. Dr. Yan authored or co-authored more than 50 papers in Geotechnical and Earthquake Engineering. In 2008 and 2017, he was honored as a Guest Professor by the Southwest Jiaotong University and the Guangzhou Railway Professional Technical College, respectively.

From 1990 to 2008, he had worked for consulting companies with various capacities including Principal Engineer and Vice President. Currently, he is a Technical Specialist at the Los Angeles Department of Water and Power. He has managed or has been involved in many projects, some of which won awards from government agencies or professional organizations. Moreover, he has been invited to give lectures at Caltech, USC, UCLA, Cal Poly Pomona, and Cal State Long Beach.

Dr. Yan is enthusiastic about community services and actively participates in public welfare or STEM activities. He served as the President of Caltech C and the President of Chiao-Tung/Jiaotong University Alumni Association in Southern California. On March 28, 1987, Liping joined for the first time the activities organized by the Chinese American Engineers and Scientists Association of Southern California (CESASC): the 1987 CESASC Technical Symposium. Since then, he has forged an indissoluble bond with CESASC and has participated in CESASC's activities every year for 35 years. From 2002 to 2004, he served as Vice President of CESASC for three consecutive terms. In 2012, he served as Vice President again. He was elected to be the President of CESASC in 2013 and Chairman in 2014. Since 2017, he has served as a member of the Honorary Advisory Board of CESASC. He served as the Chair or a Co-chair of CESASC's Annual Technical Symposium for many times (e.g., in 2003 and 2016). He has been involved in editing CESASC Journal for over 20 years and was the Editor-in-Chief for many times (e.g., in 2013 and 2015) including the 50th and 60th Anniversary Special Edition Journals (in 2012 and 2022).

2022 CESASC Appreciation Award Recipient



Manwai Szeto
MBA
司徒文偉

Senior Manager
Raytheon
Technologies

Mr. Manwai Szeto's relationship with CESASC first dates back to year 2004 when Dr. Peter Pao, Raytheon Corporate Vice-President of Engineering & Technology, was given the Achievement Award. Employees from Raytheon were notified of this award and have attended the annual convention & awards program and supported CESASC ever since.

Mr. Szeto is a CESASC lifetime member. He has served CESASC in a number of capacity and positions including Convention Co-Chair, Technical Symposium Session Co-Chair, Secretary and Director. Mr. Szeto is probably best known for serving as Treasurer since he held that post for ten consecutive years! It is also during this tenure that Mr. Szeto was instrumental in helping to establish the STEM (Science, Technology, Engineering & Math) program partnering with CESASC Scholarship Foundation, a nonprofit 501(c)(3) organization. The STEM program promoted science and engineering education to local middle and high school students and is still going strong today.

The relationships Mr. Szeto has established with CESASC and its members proved to be invaluable, many of which have developed into lifelong friendships. These connections enabled Mr. Szeto to easily transition into his new role with the CESASC Scholarship Foundation. As the Assistant Treasurer, Mr. Szeto will continue to champion educational activities that benefit CESASC and our community with STEM programs and the Annual Scholarship Funds.

Mr. Szeto received his Bachelor of Arts degree in Economics from the University of California at Los Angeles and his Executive MBA degree from Loyola Marymount University. Mr. Szeto and his wife, Vera, are married for nearly 30 years. They have one son, Jeffrey, a sophomore majoring in Aerospace Engineering at UCLA.

2022 CESASC Outstanding Partner Award Recipient

CESASC Scholarship Foundation



When CESASC was established, it was set up as a 501(c)(6) membership-based nonprofit organization, which focuses on promoting members' interest and does not require serve public interest, therefore it does not have tax exempt status.

In 1984, then President of CESASC, Dr. H.E. Frank Wang (王鴻恩), who was a top executive at Aerospace Corporation, and his team saw the need to broaden the scope of activities and services such as education and to attract more funding, a 501 (c)(3) status of the organization was needed. Mr. Henry Chi donated \$3,000 as the seed money. In November 1984, the Article of Incorporation was drawn up and the paper was filed with State of California in February 1985 – CESASC Scholarship Foundation (CESASCSF) was born. Mr. Eddie Liu, Dr. Chi-Ming Ho, Dr. Wen-Ji Chang of USC and others each donated \$8,000 for a total of \$80,000 to start the fund. In the next few years, more endowments were established by a few former presidents and others which remain to be the main source of the scholarship funding.

Mr. John Sie, founder of Starz & Encore networks and a pioneer in digital TV, established his foundation in early 2000. Dr. Charlie Sie, his elder brother and a senior member of CESASCSF, helped CESASCSF reach out to John. The Anna & John J. Sie Foundation has given us strong support ever since.

Scholarship Foundation can help individuals who are interested in leaving a legacy on a more permanent basis or in supporting certain ideas or issues with continuous help by establishing an endowment in their names. CESASCSF provides the resources to help identify the best recipient of the funding whether it is a scholarship or a project to carry out the goals of the donors.

CESASCSF would like to congratulate CESASC on its 60th Anniversary and greatly appreciates the Award from CESASC for the seamless cooperation between us for the last 37 years and is looking forward to continuing the tradition in the future.

2022 CESASC Banquet Gala Program Masters of Ceremony



Dr. Jiachen Zhang works as an Air Resources Engineer in the Mobile Source Analysis Branch at the California Air Resources Board, where she conducts original research projects to develop emissions inventory and inform first-of-its-kind regulations aimed at promoting electric vehicles and reducing air pollution emissions. Dr. Zhang is also a part-time lecturer at the University of Southern California (USC), teaching Air Pollution Fundamentals.

Jiachen earned her Ph.D. in Environmental Engineering from USC and her B.S. in Atmospheric Sciences from Peking University. She utilized various climate and air quality models to promote a deeper understanding of the causes, interactions, and consequences of climate change and air pollution, as well as to pursue engineering methods and policy measures that can mitigate them. Her project funded by the California Energy Commission was the first study to assess the climate and air quality impacts of adopting solar reflective “cool walls” and to systematically compare those with “cool roofs.” Furthermore, her postdoc project at USC developed emissions inventory for future energy supply and consumption scenarios, which helped the City of Los Angeles set its 100% renewable energy goal.

Beyond her research, Jiachen actively led and organized events to promote technological innovations and environmental protection. She currently serves on the Board of Directors at CESASC and chairs the Entrepreneurship and Innovation Committee.



Mr. Shan Lee is the founder of Kander Pacific Inc., City of Industry, CA , a commercial real estate services company. Prior to that, he worked at Daum Commercial Real Estate Services, as SVP specializing in commercial real estate for 26 years. His earlier career and work in the technology field include Transaction Technology Inc./Citibank in Santa Monica on banking equipment and technology, Magnavox in Torrance on navigation systems and Compression Labs in San Jose on image processing and data compression.

Shan received a B.S. in Electrical Engineering from National Chiao Tung University, Hsinchu, Taiwan and M.S.E.E. from the University of Texas and M.S. Engineering Management from the University of Southern California.

Shan served as the President of CESASC in 2005-2006 and two terms as the Chairman of the Board in 2006-2007 and 2007-2008. Currently, he is serving as the board chairman of CESASC Scholarship Foundation.

Convention Gala Performers



Ms. Beverly Duan is a multi-hyphenate, rising to the top of all she endeavors with grace and style in the world of entertainment. She has lit a singular path in television, music, and philanthropy. As an actress, she starred in Nickelodeon's Emmy-nominated show, *Ni Hao, Kai-Lan*. As a CM Level 10 pianist and a singer, Duan has garnered 1 billion-plus views on Youtube. As a philanthropist, she has supported nonprofits and given money to charitable causes; during the pandemic, Duan purchased PPE supplies for first responders and essential workers. As a style icon, Beverly was named by *Vogue* as one of the 100 best dressed celebrities at the 25th SAG Awards. She will perform the National Anthem of the US at the convention gala.



Dr. Jason J. Wen (溫俊山) came to the U.S. in 1983 as a graduate student. After obtaining his M.S. (Geochemistry) from Caltech and Ph.D. (Environmental Chemistry) from UCSD, he has worked in the fields of environmental protection and water resource management mainly in water utilities and municipalities in the last three decades. He has been actively involved in the local Chinese-American community, especially in professional associations. He was the president of Southern California Chinese American Environmental Protection Association (SCCAEPA) in 2004-2005, CESASC president in 2011-12, and National Council Chair of Chinese Institute of Engineers (CIE) in 2014-2015.

Dr. Wen showed interest in music in his early school years and has been learning to play several music instruments including the erhu. Although he has never obtained any formal training in playing erhu, he often jokes that his level of performance is at a “professional” amateur level such that he can ‘finish’ some solo pieces at stages of various community events. He will play erhu “Horse Racing (賽馬)” at the convention gala.

The erhu (二胡) is a traditional Chinese music instrument, and its unique sound is produced by the vibration of the skin covering its body – traditionally python skin – and a horsehair bow applied to its two strings. It is sometimes known in the Western world as the Chinese violin or two-stringed fiddle, and its origin can be traced back to proto-Mongolian instrument that first appeared in China during the Tang Dynasty more than one thousand years ago. One of the erhu masterpieces is “Horse Racing (賽馬).” Composed by Huang Huai-Hai (黃海懷) in 1964, it soon became famous and very popular. This music describes the horse racing event in traditional Mongolian “Naadam Festival.” Its simple rhythm is based on a Mongolian folk song. The composer Huang successfully expanded the original music into a famous masterpiece internationally.

Congratulations to CESASC for 60 Years' Success



From CESASC Former Presidents

Tung Po Lin (1973), Peter Dai (1976), Tennyson Wang (1980)
Shui-Lin Chao (1986), Chih-Ming Ho (1988), Wei Kao (1989)
Edward Liu (1990), Catherine Kwan (1991), George Chao (1992)
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Charles Wang (2002), Shirley Ho (2004), Shan Lee (2005)
Sikun Lan (2006), Wensheng Zhou (2009), Jason Wen (2011)
Yutao He (2012), Liping Yan (2013), Dankai Liu (2014)
Yue Rong (2015), Lan Saadatnejadi (2016), Dongmei Huang (2017)
Hui Su (2018), Ping Zhou (2019), Charley Lu (2020)

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(My Multi-colored Life)

From CESASC and CESASC Scholarship Foundation

2022 CESASC Scholarship Recipients



Kyla Yu-Swanson 余琪

Undergraduate Student, Computer Science, California Institute of Technology
Kyla Yu-Swanson is a rising Caltech junior studying computer science. This year she enjoyed learning about machine learning and web development. In her free time, she has completed several public art projects and is an officer for the Engineers Without Borders Club. Kyla has interned at JPL and Cisco Systems.

Prof. Lois Chi Memorial Scholarship



Rongxiang Su 苏荣祥

PhD Student, Geography, University of California, Santa Barbara
Received B.S. degree in Geographic Information System from Hefei University of Technology and M.S. in Cartography and GIS from Wuhan University. His research focuses on understanding human mobility and interaction patterns and travel behavior in space and time using big movement data and travel survey.

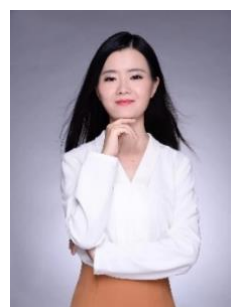
Dr. Jiin-Jen and Mrs. Sage Lee Scholarship



Wenzhong Yan 颜文忠

Ph.D. candidate, Mechanical Engineering, University of California, Los Angeles
Received his B.S. and M.S. degrees with honors from Beihang University. His research interests center on origami and soft robotics, as well as physical intelligence, particle jamming, and computational fabrication. After finishing his Ph.D. study, he plans to find a faculty position to continue working on impactful research.

Dr. Charlie Sie Scholarship



Weiyue Kan 阚玮玥

Ph.D. candidate, History, University of California, San Diego
Received B.A. and M.S. degree in history from Nankai University. Her research interests include late imperial Chinese history, social history, gender history, and medical history.

Anna and John Sie Foundation Scholarship

2022 CESASC Scholarship Recipients



Fan Zhao 赵凡

PhD candidate, Epidemiology, University of California, Los Angeles

Received her bachelor's degree of Medicine from Sichuan University. She also worked as College Academic Mentor in UCLA. She is passionate about health disparity and health policy research. Currently, she focuses on obesity disparities and soda tax.

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



Fan Yang 杨帆

Ph.D. candidate, Environmental Engineering, University of California, Los Angeles

Received B.S. degree in North China Electric Power University. Fan is a current Ph.D. candidate at UCLA. As a student research assistant, Fan works closely with experts in Environmental Engineering field and is responsible for one NSF project. During his spare time, Fan is learning some financial knowledge and strategic management skills and is interested in PE/VC field and strategic consulting.

Sherman Shan Yu Memorial Scholarship



Kingsley Wu 吴浩宇

Ph.D. Student, Chemistry, University of California, Riverside

Kingsley received his B.S. degree in biochemistry from the University of California, Los Angeles. He is currently pursuing his Ph.D. degree at UC Riverside. His research lies in the understanding of fundamental mechanisms of molecular recognition and applying computer-aided strategy in drug design and development with classical mechanical models.

CESASC Foundation Scholarship



Hanxiang Wu 吴瀚翔

Ph.D. Student, Materials Science and Engineering, University of California, Los Angeles

Earned his B.S. in Microelectronics from Peking University in 2018. He is now a PhD candidate in Materials Science and Engineering Department at University of California, Los Angeles. His current research interests include flexible electronics, implantable bioelectrodes, and electrocaloric cooling devices.

CESASC Foundation Scholarship

2022 CESASC Lisa Lu Scholarship Recipients



Jiawen Han 韩嘉文

M.F.A. Candidate, UCLA School of Theater, Film, and Television.

Jiawen Han is an award-winning director who is currently completing her MFA in Directing at the prestigious UCLA graduate film school. She is a passionate female storyteller who has nuanced observations of mundane life and gentle commentary on family stories. Her goal as a filmmaker is to bring awareness to unaddressed social issues through her films; to connect and inspire the audience to self-reflection and realization; to make this world a better place.

2022 CESASC Zhendai He Scholarship Recipient



Sharon Liu 劉詩蕊

Diamond Bar High School

Admitted into Stanford Pre-Collegiate Summer Institutes for creative writing course in 2022. Lead solo singer in the school choir performance and won MVP in March 2021. Junior Varsity Tennis team player, received JV Recognition Award in 2020-2021. Writer and presenter of the reading club that helps children with Dyslexia.

2022 CESASC Scholarship Committee



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



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



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



Dongmei Huang
Principal Business
Management, Public Cloud
Infrastructure and Technology,
AT&T.
2017-2018 President and 2018-
2019 Chairperson of Board of
Directors, CESASC

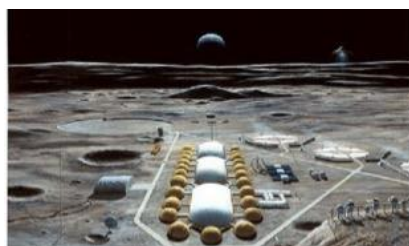


Kangshi Wang, Ph.D.
Engineer at Los Angeles
Regional Water Quality Control
Board

2022 CESASC STEAM Essay Contest

Topic: Innovative design for long-term human settlement into the Solar system

The 2022 CESASC STEAM Essay Contest asks participants to layout innovative design or “blue-print” of long-term human settlement onto the Solar system bodies based on current available technology. The target Solar system bodies could include the Moon, Mars, asteroids, or moons in Jovian and Saturn systems. The winning essay and other finalists will be awarded a cash prize up to \$1000 and a CESASC Award Certificate.

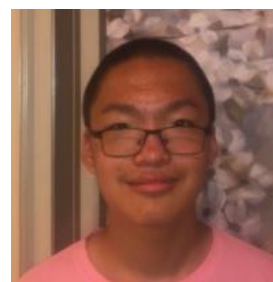


Winners for the Awards

The 1st Prize: Mr. Pengyue Tian (田鹏悦), Grade 10

Eleanor Roosevelt High School, Eastvale, CA

Essay: The leadup to a 21st Century Space Age



The 2nd Prize: Ms. Junze Zhang (张君泽), Grade 10

Bonita High School, La Verne, CA

Essay: International Organization System for Settlements into the Solar System



The 3rd Prize: Ms. Helen Liu (刘子玄), Grade 9

Reedy High School, Dallas, TX

Essay: The Future of Space Cultivation: InfiniPod



Jonathan H. Jiang Prize for Fundamental Science

Mathematics, Physics, & Chemistry

Named by Dr. Jonathan H. Jiang (JHJ), the CESASC JHJ Prize for Fundamental Science is created to identify and encourage early talents in basic research fields of mathematics, physics, and chemistry. The JHJ Prize awards annually to the most compelling young candidates who have demonstrated a commitment to fundamental scientific inquiry through their achievements witnessed by published research in physics, chemistry, or mathematics.

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

2022 Physics Prize 物理学奖:

Yangcheng Luo, California Institute of Technology



For discovery of an active methane emission hot spot in Gale crater on Mars, which can effectively guide the Curiosity Rover to find its way to the methane source where it could possibly find evidence of Martian life.

Paper: Luo, Y. et al., Mars Methane Sources in Northwestern Gale Crater Inferred from Back Trajectory Modeling, *Earth and Space Science*, 8, doi:10.1029/2021EA001915, 2021.

2022 Chemistry Prize 化学奖:

Ying Wang, University of Southern California



For her innovative work that paved the way for effective application in analyzing the complex perovskite mineral structures.

Paper: Wang, Y. et al., Nonadiabatic molecular dynamics analysis of hybrid Dion–Jacobson 2D leads iodide perovskites, *Applied Physics Letter*, 119, doi:10.1063/5.0066087, 2021.

2022 CESASC STEAM Essay and JHJ Prize Committee



Jonathan H. Jiang, Ph.D.
Principal Scientist
Jet Propulsion Laboratory,
California Institute of
Technology



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



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



Ying Zhan, Ph.D.
Doctor of Financial Ethics,
Professional Investor



Chengxing Zhai, Ph.D.
Senior Technologist
Jet Propulsion Laboratory,
California Institute of
Technology



Liping Yan, Ph.D.
Technical Specialist
Los Angeles Department of
Water and Power

2021-2022 CESASC Executive Team Members (in alphabetical order)



Dr. Weiqun Chen
IT Chair



Jia Fan
Social Media Co-Chair



Chenxi Guo
VP & Chair of Fundraising



Nancy Huang
Chair of Convention



Dr. Xudong Jia
Chair of Scholarship



Dr. Jonathan Jiang
Chair of JHJ Scholarship/Essay



Dr. Jinxin Li
Treasurer



Dr. Bruce Liu
President



Dr. Charley Lu
Chairman



Dr. Hui Su
Chair of Journal



Dr. Jingtan Su
Chair of Technical Symposium



Dr. Kangshi Wang
Secretary



Dr. Liping Yan
Public & Media Relation Chair



Dr. Ying Zhan
Chair of STEM Program



Dr. Jiachen Zhang
Business Forum Chair



Dr. Ping Zhou
Chair of Award



Tong Zhou
Co-Chair Young Professional



CESASC Scholarship Foundation

Scholarship Endowments and Special Funds

Mrs. Hsu Hwa Chao Memorial Scholarships
(for humanities or science)

Lois and Henry Chi Scholarships

Prof. Yung-Ho Chien Memorial Scholarships

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

General Shann Tzyy Kao Memorial Scholarships

Dr. Jiin-Jen and Mrs. Sage Lee Scholarships

Tsai-Sun and Cho-Seng Chien Lee Memorial Scholarships

The Anna and John J. Sie Foundation Scholarships

Grace Yu Memorial Scholarships

Prof. June Chien Yu-Tsao Yu Memorial Scholarships
(for a woman when possible)

Professor Lois Chi Memorial Fund

Dr. Sherman Shan Yu Memorial Scholarship Fund

Henry Chi Memorial Fund

We thank our 2021-2022 Donors and Supporters

Anna and John J. Sie Foundation

Joycelyn Fawaz

Shan & Sanne Lee

Barbara & Frank Miyake

Donors of the Henry Chi Memorial Fund

Dongmei Huang

Shirley and Chih-Ming Ho

Hui Su

Ping Zhou & Wenji Xu

Jason Wen

Charley Lu & Biying Zhang

Shan & Sanne Lee

Mr. & Mrs. Chia-Chun Chao

Nancy Huang

Theodore Wu

Yue Rong

Dankai Liu

Mr. & Mrs. Tennyson Wang

Munson & Suellen Kwok

Elizabeth and Eastwood Im

Lan Saadatnejadi

Xueling & Yufa Liu

Benjamin & Catherine Kwan

Foundation funds the CESASC scholarship program in science, engineering, medicine and humanities. Particular emphasis is placed on youth programs within STEAM topics.

Donors to the CESASC STEAM Programs

Hua Ji

Xuemei Wei

Leji Zhang

Charley Lu & Biying Zhang

Jinbo Louise Liu

Jonathan Liu

STEAM Awards Fund

Jonathan Jiang

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. Donors are listed up to May 1, 2022.

2021 CESASC 59th Annual Convention



Dr. Xuedong Huang, Technical Fellow & CTO of Microsoft Azure AI gave a keynote speech and received CESASC Achievement Award.



Mr. Al Chen, Entry, Descent and Landing Phase Lead for Mars 2020 of JPL/Caltech gave a keynote speech and received CESASC Achievement Award.



Distinguished Chinese-American actress Lisa Lu received the CESASC Lifetime Achievement Award.



Dr. Jonathan H. Jiang, Principal Scientist of JPL/Caltech, received CESASC appreciation award.



CESASC Technical Symposium



CESASC Entrepreneurship and Investment Forum



~500 people attended the 59th CESASC annual convention on Zoom (5/22/2021)

2021 - 2022 CESASC Activities



Post-convention celebration party in Whittier Narrows Park South El Monte, CA (6/19/2021)



2020 President Charley Lu passed the gavel to 2021 President Bruce Liu (6/19/2021)

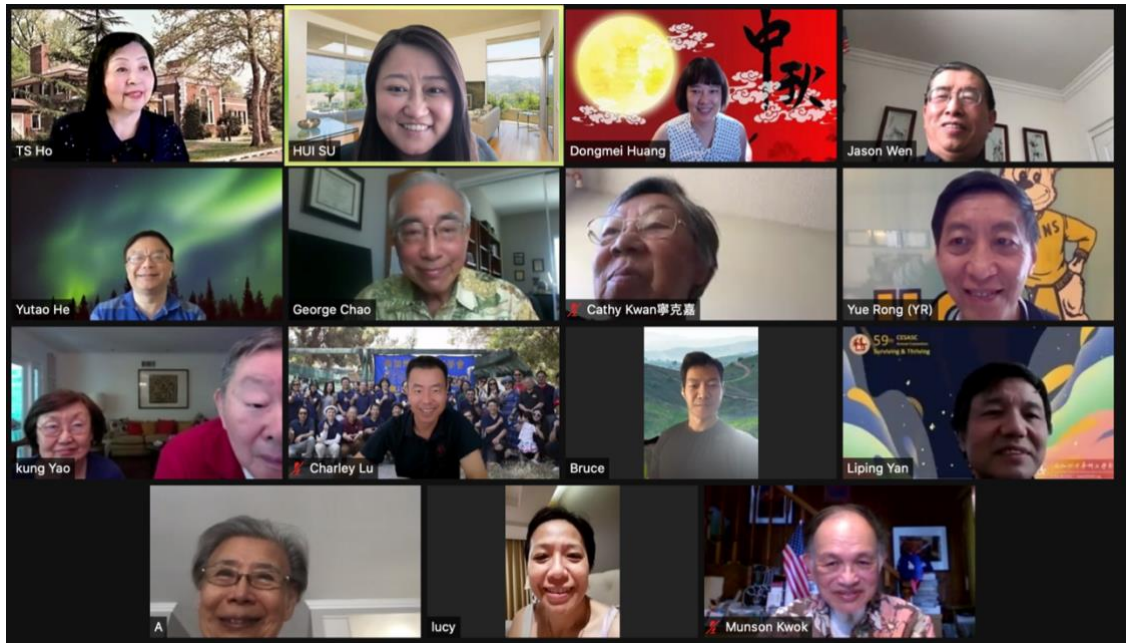


2019 President Ping Zhou with 2020 President Charley Lu and 2022 President Chenxi Guo presented a certificate to outgoing 2018 President Hui Su (6/19/2021)

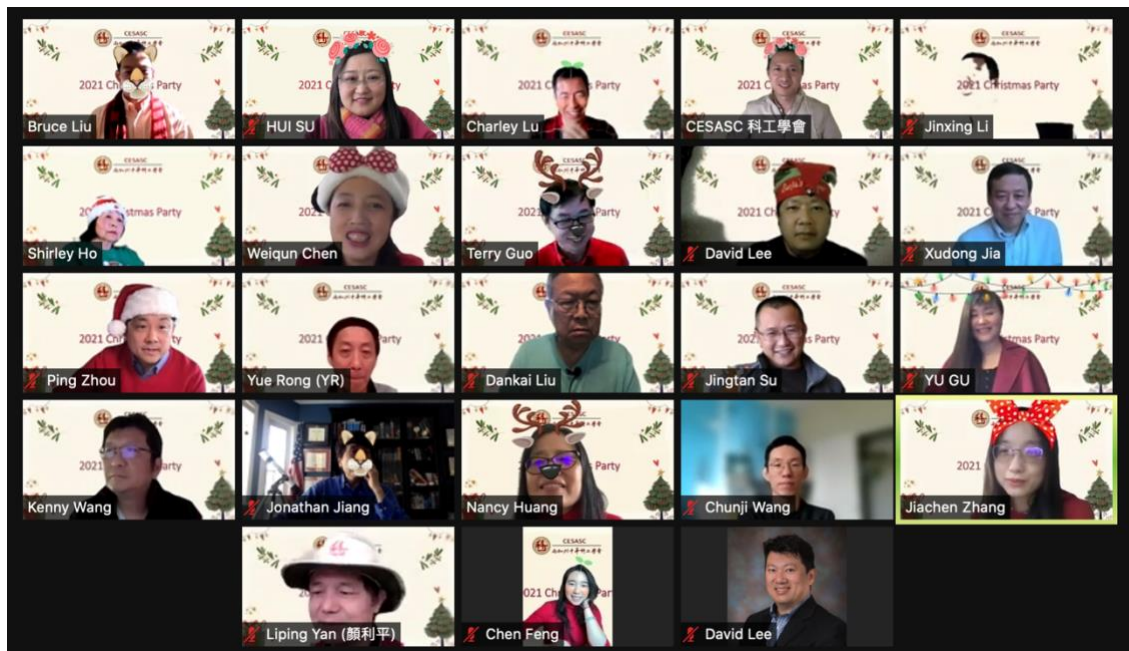


CESASC members at the CUAAASC 2021 Annual Gala in Pacific Palms Resort (12/18/2021)





2021 CESASC Mid-Autumn Former Presidents' Reunion on Zoom (9/11/2021)



2021 CESASC Holiday Party on Zoom (12/5/2021)



2022 年 3 月 12 日, 受交通大學南加州校友會企業家俱樂部邀請, 由交通大學南加州校友會主辦, 南加州中華科工學會和交大北美校友總會協辦的張懋中博士訪談會在線上舉行。

CESASC STEM Seminars by Dr. Jonathan H. Jiang

How to Build a Successful Career in Science, Technology, Engineering, Mathematics

蒋红涛博士科学技术讲座: 如何在科技、工程、和数学行业取得成功

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

CESASC STEM Seminars (June 2021 – May 2022)



Tribute to CESASC

By Former CESASC Officers, Committee Members, and Awardees

.....
Joycelyn Chi Fawaz (Daughter of Lois & Henry Chi) and Family

I would like to take this opportunity to wish the CESASC Family a heartfelt congratulations on this, your 60th anniversary. My parents Henry and Lois Chi who were at the forefront of promoting the accomplishments of the Chinese-American community would be so pleased to see how far the association has continued to grow and inspire. They started a small group with a big idea - to see what CESASC is today would make them so proud. Here's to the next 60 years!!

.....
Timothy Yu (余家煜/1982 & 1983 Vice President)

Cc Yu (李詠娟/2012 Appreciation Award Recipient)

Congratulations on the 60th anniversary of CESASC!

We joined CESASC during the 1980s, at the beginning of our engineering careers. We grew personally and professionally with CESASC. Serving CESASC in various capacities provided us invaluable experiences. There were many networking opportunities with role models and friends we made.

Wishing CESASC continuing success with the new generation of engineers and scientists.

.....
Catherine Kwan (寧克嘉/1991 President)

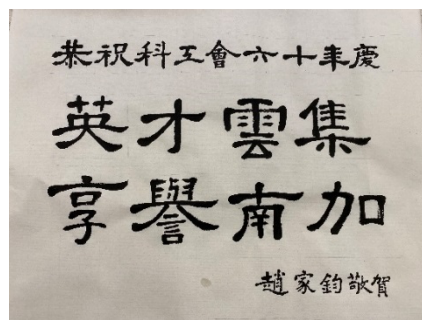
Wow, I can't believe that it was 31 years ago that I was active in CESASC! I have many fond memories of this organization.

My contribution to it, if any, was that I opened the gate for many talented, hardworking female scientists and engineers to serve CESASC at many capacities.

I was the president in 1991. I decided that it should be the year of females. I invited females to serve as chairs on several committees. We even had a female keynote speaker. I think it was a great year.

Since then, there were many presidents that were female. They made great contributions to our organization.

.....
George Chao (趙家鈞/1992 President)



Eastwood Im and Elizabeth Kay-Im (嚴貴方・郭怡珊/ Presidents 1994 and 1996)

CESASC, as the very first Chinese American professional and social organization in Southern California, will continue to break new ground and set new trends in serving the community.

Happy 60th Anniversary!

Chun-I Philip Chen (陳君儀/1995 Secretary)

Congratulations on the 60th anniversary of CESASC. Thank CESASC for its great leadership and service to our professional communities of engineers and scientists. I wish CESASC continued success in the years to come.

John Chen (陳治宏/1996 Vice President)

(沁園春/2002) 詞一首 回顧 CESASC 第四十屆年會

美麗地球，日照雲飄，萬物逍遙。觀中外古今，英才不少；勿辭辛勞，競奪錦標。
美訪九洲，九洲訪美，欲把全球發展好！

望明朝，邀君又洛城，共渡良宵！南加景色美好，迎世界群英飛天到。會洛杉磯市，爭展風騷，
好萊塢眺，西風殘照，遍地車跑，漫天機降，鑽石燈海錢江潮。新千紀，問乾坤環宇，誰是最驕？

Tientsai Yang (楊添才/1997 President)

在不平凡的六十年裡，科工會取得了偉大的成就：

- 舉辦了大小幾百個研討會: 傳播了大量科技知識的發展，促進了社會和文化的交流。
- 頒發了超過五百多個獎學金: 獎勵無數的優秀青年學子。
- 表揚了近二百位學術界，企業界的傑出/模範人才的成就，並頒發成就獎或終身成就獎。
- 邀請了國家院士、諾貝爾獎獲得者、企業家為年會作專題演講: 提供了科技、醫學、社會科學的最新發展和突破。
- 適時而精確的主題和豐富的内容，年會經常有超過五百多人參加。
- 吸引了主流航太、光電、醫藥、金融公司、和基金會團體的贊助、成為南加州最大最有聲望的社團之一，成為科技、社會、文化交流的重要平台。

未來的目標: 再創造下一個六十年輝煌的科工會！

Munson Kwok (郭民生/1998 President)

Suellen Cheng (鄭舒蘭/2012 Appreciation Award Recipient)

CESASC is in its 60th Year. Congratulations!!! In our fifty-plus years, we have observed:

CESASC constantly promotes excellence in the engineering, technology, and science professions. CESASC advocates for equitable professional opportunities for its members and colleagues. CESASC

has encouraged youth to explore and join the STEM professions. These things have been done always with highest quality and greatest care. Impact of CESASC on the progress of Southern California and beyond has been well above the proportion of its small number of members.

In our Chinese culture, sixty years is one completed Circle of life. It is very auspicious and satisfying when that Circle has been productive and successful. It has been so for CESASC. We wish CESASC an even greater next 60 years!

Yu-Chong Tai (戴聿昌/1999 Achievement Award Recipient)

Happy 60th Birthday, CESASC! I only have appreciation for you.

Young and new to LA, I was introduced to CESASC by Prof. Chih-Ming Ho (1988 CESASC President) after I joined Caltech. It didn't take long for me to realize that CESASC is not just another organization. It is more like a welcoming family where anyone can make many friends and reach out to wonderful role models with Chinese heritage. It deeply broadened my social life and helped my career. Totally from heart that I believe I am not alone feeling this way. Live long and prosper, CESASC!

Sheng-Rong Lin (林勝榮/2000 President)

- 謝謝六十年前創會的先驅元老：戚文祥，區毅民和林同驊教授
- 謝謝六十年來會員們對科學研究和工程推廣的貢獻
- 希望下個六十年會員們繼續為世界科工和人類文明的發展努力

Jason J. Wen (溫俊山/2011 President)

賀南加州中華科工學會成立六十周年

科工欣迎順年，華賢慧聚洛城。
橋達兩岸三地，交流奉獻育人。
航太醫藥電子，網絡人智環境。
前輩携承新秀，傳統包容創新。
舉杯盛譽碩果，甲子薪火崢嶸。

It is my honor being a member of CESASC family for about two decades. CESASC is a platform you will meet accomplished professionals, creative minds, dedicated volunteers, and lifetime friends. Through CESASC, you will enrich your life by learning how to make more contributions to American and Chinese societies. All of those have been making CESASC a special, longevity, and legendary organization.

Mingsong Yin (殷明松/2011 Board Member)

賀南加州中華科工學會成立六十週年

華廈英才聚洛城，東西文化薈一堂。
探究蒼穹六十載，人才輩出遠名揚。

Dr. Ming C. Lin

Distinguished University Professor

Dr. Barry Mersky and Capital One Endowed E-Novate Professor

University of Maryland at College Park

CESASC Scholarship Recipient (1986)

I would like to thank CESASC for its scholarship support to me, while I was an undergraduate student at UCLA. I was very fortunate to have received the CESASC Scholarship for my study at UCLA.



This year CESASC is celebrating its 60-year Anniversary. Over the last 6 decades, CESASC has supported hundreds of Chinese Americans to learn and pursue their dreams; helped these students to grow and develop their talents and potential. With the support from CESASC, these fortunate scholarship recipients like myself are able to contribute back to the Society and the Humanity as a whole.

I'm most grateful to CESASC for giving all of us the much-needed assistance when it matters the most. THANK YOU, CESASC! CONGRATULATIONS on its 60th Anniversary and look forward to celebrating many decades of its legacy to come!

Dr. Linda M. Liau (廖敏妃)

W. Eugene Stern Professor & Chair

Chair & Executive Medical Director

UCLA Department of Neurosurgery

Director, UCLA Brain Tumor SPORE

David Geffen School of Medicine & UCLA Health

CESASC Scholarship Recipient (1986 & 1987)

Congratulations to the Chinese-American Engineers & Scientists Association of Southern California (CESASC) on this 60th Anniversary Celebration! Looking back, it is truly amazing what an impact and legacy this organization has had over the past six decades.



Congratulations to all the new CESASC scholarship recipients! Wishing you all the best in your future endeavors, and hope you carry on this rich legacy of inspiration and innovation for many more generations to come!

Dr. Wen Jung Li (李文榮)

Chair Professor, Dept. of Mechanical Engineering
Associate Provost (Resources Planning)
City University of Hong Kong

CESASC Scholarship Recipient (1987)

I was very surprised and delighted to be contacted by CESASC a few weeks about its upcoming 60th anniversary. The name ‘CESASC’ instantly brought back great memories from my undergraduate studies at USC and, at the same time, reminded me that those times were 35 years ago!

I want to thank this great organization for honoring me with a scholarship more than 3 decades ago, which reminded me that perseverance will eventually pay off. The honor had also fortified my decision to pursue a graduate degree in engineering, which has allowed me to enjoy a challenging, exciting, and successful academic career over the past two decades.

Congratulations, CESASC, on your 60th birthday! You have propelled many students to reach their career aspirations in the 20th and 21st Centuries. I wish you and all of the past and present volunteers who have made you possible all the best in the future!



Dr. Quynh-Thu Le

Professor and Chair of the Department of Radiation Oncology
Stanford University

CESASC Scholarship Recipient (1988)

It's a flash from the past.

Thanks to this award and the financial aid awards from Caltech, I was able to graduate from Caltech with little debt and attended UCSF Medical School.

I have been at Stanford for over 20 years and am currently the Department Chair of Radiation Oncology here, taking care of patients and doing research on head and neck cancer.

I am also chairing a large national group (NRG Oncology NCTN Group), supported by the NCI, to test new therapy in cancer patients.

I would like to use this statement to express my appreciation to the CESASC for its foundation support. It has helped me to achieve my dream and get to where I am today.



Dr. Stanley Chang
Professor of Mathematics
Wellesley College



CESASC Scholarship Recipient (1988, 1990, 1991)

As a past recipient of the CESASC scholarship fund, I would like to congratulate you on your 60th anniversary. As an undergraduate at UC Berkeley from 1987 to 1991, I was fortunate to receive the CESASC award on three occasions. These awards helped me immensely in pursuing my studies with great focus and attention.

At UC Berkeley, I graduated with a B.A. in Mathematics near the top of both my department and the university. I won the very competitive Marshall Scholarship in 1991 and studied mathematics for two years at Trinity College in Cambridge. In 1993 I enrolled at the University of Chicago and received a Ph.D. in pure mathematics in 1999. After a two-year postdoctoral position at Rice University, I accepted a tenure-track job at Wellesley College outside of Boston, Massachusetts. I have been teaching mathematics at Wellesley since 2001 and have served as chair of the department for the last three years.

At Wellesley College I have taught a great number of courses: from calculus all the way to advanced courses like Topology, Lebesgue Theory, Groups and Representations, Advanced Number Theory, and Functional Analysis. I served most recently as one of three faculty members of the Presidential Search Committee for the College. Two years after my arrival, I received the College's top teaching prize. In the area of research, I am the author of many articles in the field of Topology, and have recently written a 500-page mathematics research monograph entitled, "A Course in Surgery Theory" published by Princeton University Press.

Other than mathematics, I am deeply interested in language and music. Over the course of many years, other than English, I have studied eight foreign languages, including Ancient Greek, Biblical Hebrew, and Latin. I play both the piano and the harpsichord. Recently I started taking Chinese calligraphy lessons with a famous local teacher.

In closing, I wish again to congratulate CESASC for their work over the decades inspiring students to achieve their maximum potential. I am grateful to have been a part of the CESASC world and hope to continue good relationships with it over the next years.

Dr. Raymond Shen
Director of 5G/6G Solutions
Keysight Technologies



CESASC Scholarship Recipient (1990 & 1991)

My name is Raymond Shen, originally from Montebello CA. I entered Caltech at 16 and almost immediately dealt with health issues that required major surgeries while in my first and second years at Caltech. I had to cancel my summer and quit my part time employment. Then, in my 3rd year, CESASC awarded me a scholarship. I was very grateful for the support of CESASC, and the honor and confidence they bestowed on me, which helped me through those tough times. That was 30+ years ago. I'd like to say I have proven to be a worthy recipient. I went on to receiving my PhD from Stanford University and have been a productive member of industry ever since, currently working on 5G/6G at Keysight Technologies. I'm touched by the generosity of CESASC sponsors and members past and present.

Dr. Albert S. Lee
Chairman & CEO
Dali Wireless



CESASC Scholarship Recipient (1993)

Congratulations on CESASC's incredible success! CESASC uplifting our community and searching for solutions to better support our professional aspirations is awesome to see. I am grateful to be associated with such an organization that is making an impact in our community.

I can speak from experience, as I personally received a CESASC scholarship back in 1993. I am just one story of many. CESASC has helped countless young and inspiring Chinese American scientists and engineers get their footing in the professional world.

I am a seasoned entrepreneur. Before founding Dali Wireless, I practiced cross-border corporate, venture capital, and intellectual property law at Pillsbury Winthrop Shaw Pittman in Silicon Valley. Previously, I co-founded onChip technologies, a MEMS-microfluidics startup for proteomics, and several information technology startups where I held various board and management positions. I am a British Marshall Scholar, and I earned a Ph.D. in Law from Trinity College, Cambridge University. I also received a J.D. from Harvard Law School and a B.S. in Electrical Engineering & Economics from Caltech. I also hold several key patents in wireless systems and networking.

When I think about the successes I have had in my personal, and professional life, I am overwhelmed with gratitude, but I never forget the tough times. I can appreciate just how stressful it can be when you are first starting out on your professional journey, but just remember, failure is not fatal. What is important is the bravery to continue on in your journey. Hard work and perseverance are often underestimated qualities, but the willingness to outwork and outlearn others will always set you apart.

I can't wait to see where the next generation of Chinese American scientists and engineers will lead us, I am certain it will be awe-inspiring.

Michael C. Tu
Partner, Securities Litigation + Enforcement
Cooley LLP



CESASC Scholarship Recipient (1993)

Congratulations to CESASC on its 60-year legacy!

I personally was a recipient of the Tsien-Sun and Chosheng Chien Lee Memorial Scholarship while I was an undergraduate student at the University of California at Berkeley in 1993. Upon my graduation from Cal, I went on to attend law school at UCLA. Today, I am a partner in the Los Angeles office of the law firm Cooley LLP, where I have been fortunate to have had the privilege of representing many companies and their executives in their most important litigation and regulatory matters. My practice for more than 25 years has focused on stockholder litigation, regulatory investigations and proceedings, mergers & acquisitions disputes, commercial disputes, and advice to executives and boards on securities and corporate governance matters.

I am grateful to CESASC for the scholarship support nearly 30 years ago. CESASC should be proud of its history of supporting students and those just starting in their careers, and for the meaningful contributions and impact that it has, and continues to make, to the Chinese-American community.

Dr. Tammy Chang (張天美)

Associate Professor
Department of Surgery
University of California, San Francisco

CESASC Scholarship Recipient (1993)

Congratulations to CESASC on this 60th-year celebration! Much thanks for the scholarship support given to me when I was a college student. It provided strong encouragement for me to keep pursuing my goals.



Dr. Hui Jin (金輝)

Founder of MathCup Academy
Managing Partner of JinYi Capital

CESASC Scholarship Recipient (1996)

I hold a B.S., M.S., and Ph.D. in electrical engineering from Caltech. MathCup Academy is a company dedicated to developing a math enrichment platform for K-12 students.



My story with CESASC was serendipitous. In 1995, I arrived at Caltech to study electrical engineering as a transfer student from Shanghai. Caltech paid most of the tuition but there was a need for me to do a work-study job on campus as part of the financial aid package. Incidentally I learned about the CESASC student scholarship when the deadline was just a few days away. I applied at the last minute and later was immensely delighted and honored when I was awarded the scholarship. The generous scholarship relieved me from my part-time job so that I could focus on academics at Caltech. I flourished academically and later was invited into the lab of Professor Robert McEliece, a renowned mathematician and scientist who eventually became my Ph.D. advisor. In my doctoral thesis, I developed IRA/LDPC codes, an error correction technology now an essential part of the WiFi standard.

Over the sixty years - such a long span of years is a great accomplishment in itself – I was only one of the hundreds grateful recipients of CESASC student scholarships. In one way or another, the scholarship shaped our lives and the organization became part of us as we inherited its value, its mission.

Here I extend my warmest wishes to CESASC for its 60 years of service and its bright future. As I am learning more about the organization and its luminous alumni, I become more and more impressed. This is a community with bold aspirations - and a passionate belief that the work of Chinese engineers and scientists can have broad and lasting value for the world. The current environment in the US has been challenging for all us Chinese engineers and scientists; in such testing moments it is more important than ever that we must embrace the right values and hold our solidarity. And CESASC 60's legacy theme of *Inherit, Innovate, Inspire* is one such foundation where we all can stand firmly together.

Naiwen Diane Tu, MD (涂乃文)
General Pediatrician
Texas Children's Pediatrics, Houston, Texas

CESASC Scholarship Recipient (1997)

I am grateful to CESASC for the scholarship support in my youth: it was a commitment that said "I have faith in you" to pursue a STEM career even though my background was in the liberal arts. I studied the history of science as an undergraduate at Harvard University, but with CESASC support, pursued a career in medicine at Johns Hopkins School of Medicine. I got my MD degree in 2003 and I'm now a practicing general pediatrician at Texas Children's Pediatrics in Houston, Texas, where I live with my Taiwanese-Texan husband (also a physician-scientist), and three children.



Thank you to CESASC for your early support of my scholarly interests and career!

Dr Yong Xu (徐湧)
Professor of Electrical & Computer Engineering
Wayne State University

CESASC Scholarship Recipient (2000)

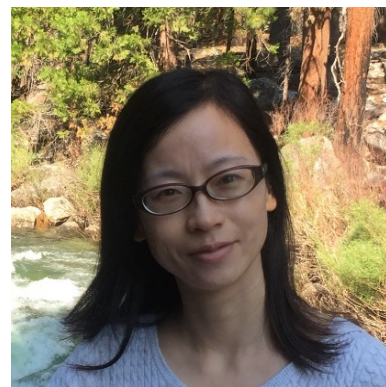
I received a CESASC scholarship in 2020. I was very encouraged by this award as a Ph.D. student at that time. After 22 years, I am still very grateful for CESASC. Congratulations on the 60th' CESASC annual convention!



Dr. Hongjing Lu (吕宏静)
Professor
Departments of Psychology and Statistics
University of California, Los Angeles

CESASC Scholarship Recipient (2004)

I'd like to express my thanks for the support that CESASC has provided not only for me, but for generations of Chinese-American scholars and researchers. The CESASC Scholarship I was awarded during my graduate program not only provided financial support, but even more importantly fostered the self-confidence I needed to launch my academic career. I'm very thankful for the continuing work of the society in fostering another new generation of Chinese-American researchers.



Dr. Xianting Ding (丁顯廷)

Professor
School of Biomedical Engineering
Shanghai Jiao Tong University



CESASC Scholarship Recipient (2012)

When I was still a Ph.D. student at UCLA in Prof. Chih-Ming Ho's group, I received a scholarship from CESASC. It is indeed a great honor. I am now a full professor at Shanghai Jiao Tong University. Looking back, it's truly amazing to see how Chinese-American engineers and scientists have proceeded. I also keep learning from many of them, including my Ph.D. supervisor Prof. Ho.

Since China is still under a zero COVID policy, I'm afraid I would not be able to travel abroad to attend the celebration in person. But I do wish to pass my greetings to CESASC:

A 60-Year Legacy is both long and short. It is long since the whole world has changed dramatically during this period; it is short since many dreams are still ongoing. We see CESASC has emerged many talents and we all believe CESASC will continue to incubate more brilliant Chinese-American engineers and scientists. At this exciting moment, I would like to express my deepest greetings to CESASC and wish all the members of this family healthy and full of happiness.

Tong Q. Yan (顏邱瞳)

MD/MPH Student
George Washington University



CESASC Scholarship Recipient (2012)

I was honored to receive CESASC Scholarship during my sophomore year in UC Berkeley. Two years later after I received the 2012 CESASC Scholarship, I graduated from US Berkeley with a B.A. in Anthropology and pursued a Master's degree in Narrative Medicine at Columbia University. Currently, I am a MD/MPH student at the George Washington University in Washington DC. I am preparing to apply to a family medicine residency with the goal to provide primary care to urban underserved populations and reduce health disparities that plague the United States.

I have been very grateful to CESASC in their support for part of my professional journey. In this special year of celebration of CESASC's 60th Anniversary, I would like to express my sincere thankfulness to CESASC members and send my hearty congratulation to CESASC!

Dr. Aolin Wang (王奥琳)

Manager

Health Economics and Outcomes Research Analysis Group, Inc.

CESASC Scholarship Recipient (2013)

Congratulations to CESASC on this big occasion and many wishes for future success!! Being able to work with many bright and kind people on great initiatives such as the LEAP Career Development Forum has been one of the most rewarding experiences I have had during my Ph.D. journey. The friendship and mentorship I gained via CESASC is a great lifelong fortune. Thank you CESASC for all the support!



Dr. Chun-Jun Guo (郭春君)

Assistant Professor

Microbiology & Immunology in Medicine

Weill Cornell Medicine

CESASC Scholarship Recipient (2014)

Eight years ago, it was a great honor and pleasure for me to be recognized as one of the recipients of the CESASC scholarship. Looking back, I can still remember the theme of the 2014 convention I attended: *Working Together-Transforming Dreams into Reality*, like it was yesterday. This year is particularly special. Six decades back when CESASC was first founded, it's also been 60 years that CESASC has supported and nurtured generations of Chinese American Engineers and Scientists. Being a member and scientist recognized by the CESASC, it is truly amazing to see how the CESASC has been growing, and more and more American Chinese Engineers and scientists have been acknowledged and supported by the CESASC. I sincerely wish more and more junior scientists get to know CESASC and become a part of it.



Dr. Xiaowei Ding (丁晓伟)

Co-founder and CEO of VoxelCloud 体素科技

Associate Professor

Department of Electrical Engineering

Shanghai Jiao Tong University

CESASC Scholarship Recipient (2015)

I'd like to express my appreciation for the CESASC scholarship which has been a precious source of encouragement to all generations of Chinese-American scholars. CESASC is a warm society full of talented industry leaders, engineers, and scholars who have funded this award and organized inspiring events and lectures of CESASC which we still attend online from China today. Many individual CESASC members have supported international students to live and study well in various scopes beyond those events, which we were all very grateful for. I believe CESASC will continue to influence and foster a wider range of Chinese-American tech professionals with its spirit and I am willing to be part of it with the industry and academic experiences in AI Medicine.

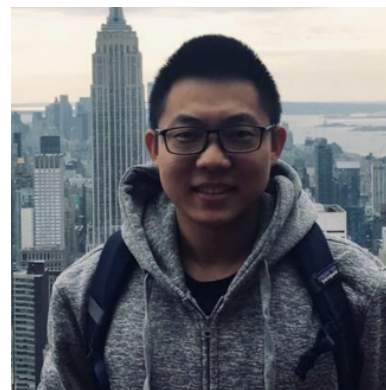


Dr. Xiaochen Liu (劉笑塵)

Research Scientist
Meta

CESASC Scholarship Recipient (2015)

It was my great honor receiving CESASC scholarship in 2015 when I was pursuing my PhD degree at USC. Before and after receiving the scholarship, I participated in several CESASC events on tech & society. Those events were well organized and very informative. I was deeply motivated by the speakers for their passion in technology and ownership of their work. I also connected with new friends through CESASC. Some of them later became my collaborators in academia and business. In today's world of uncertainty, it is more important than ever to stay focused and be collaborative. For junior Chinese-American engineers and scientists, I always believe that you will become rock stars in your own fields, with your hard work, your broad cultural background, and your local communities like CESASC. Fight on!

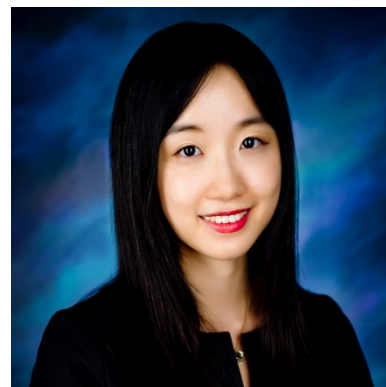


Dr. Jiachen Zhang (張佳辰)

Air Resources Engineer of California Air Resources Board
Lecturer at University of Southern California, Los Angeles

CESASC Scholarship Recipient (2016)

Happy 60th birthday to CESASC! I'm so proud that I can serve on the Board of Directors at CESASC to witness this historical moment and help planning for the celebration. I truly know how much attending CESASC conferences, receiving its scholarship, and later volunteering as an event coordinator meant to me and helped my career and personal development. Now at CESASC, I am chairing the Entrepreneurship and Innovation Committee. I want to pass along the inspiration I received over the years to other people in the CESASC community.

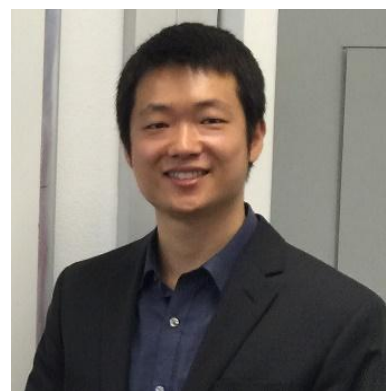


Dr. Yingjie Hu (胡英傑)

Assistant Professor
Department of Geography
University at Buffalo, The State University of New York

CESASC Scholarship Recipient (2016)

Congratulations on your 60th anniversary! My name is Yingjie Hu, and I was honored to receive scholarship support from CESASC in 2016 when I was a Ph.D. student. Currently, I work as an Assistant Professor at the University at Buffalo, the State University of New York. I really appreciate the generous support from CESASC to me, and I believe the spirits and legacy of CESASC will continue inspiring the next generations of Chinese-American engineers and scientists! Congratulations again!

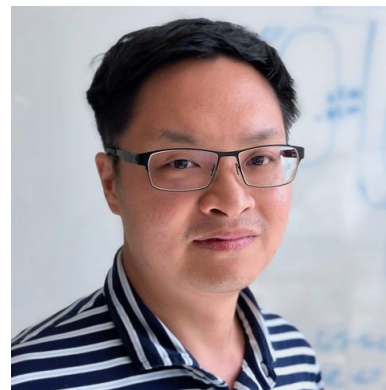


Dr. Andy Hsien-Wei Yeh (葉先偉)

Postdoc Researcher
Institute for Protein Design
University of Washington

CESASC Scholarship Recipient (2016)

CESASC has provided important support to graduate students, like me. I successfully received my Ph.D. in Chemistry in 2019 and I published key papers for COVID diagnostics in Nature and Nature Biotechnology since then, seeking to build a better world through science. I am now a co-founder of Monod Bio, a K99/R00 awardee, and an upcoming tenure-track assistant professor at UCSC. I am happy to share my experience through the wonderful Chinese-American Engineers and Scientists Association of Southern California and I look forward to making further connections within the CESASC community.

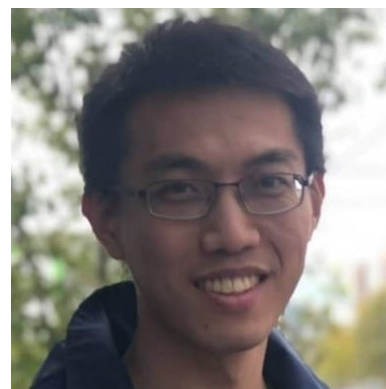


Dr. Yuanlong Huang (黃元龍)

Research Scientist
Division of Geological and Planetary Sciences, Caltech

CESASC Scholarship Recipient (2018)

It is my great honor to be awarded the CESASC Scholarship in 2018. I was introduced to CESASC by Dr. Yu Gu in the Chinese-American Oceanic and Atmospheric Association Southern California Chapter (COAA-SCC). Different from COAA-SCC which is smaller and focuses more on academia, the CESASC is much bigger and has members from both academia and industry. The CESASC has established a great platform for people to touch base, where I connect with people from diverse backgrounds and learn from their talks and experience. I feel very grateful to have the opportunity to expose myself to this great organization and wish sincerely the best for the 60th birthday of the CESASC!



Dr. Tien-Shu Chang (張天澍)

Quality and Reliability R&D Engineer
Intel Corporation

CESASC Scholarship Recipient (2019)

My warmest congratulations on the 60-year milestone of CESASC. CESASC has supported and encouraged numerous international /Chinese-American students through the scholarship program. Special thanks to the former president Dr. Ping Zhou for his great efforts in this association and scholarship program. I am looking forward to seeing the prosperity of CESASC for many years to come.



Jingyang Wu (吴婧洋)
Aerospace Engineering Student
KTH Royal Institute of Technology, Sweden



CESASC Scholarship Recipient (2019)

Congratulations on the 60th Anniversary of CESASC! I'm Jingyang Wu, the recipient of the 2019 CESASC scholarship, a dedicated aerospace engineer currently completing my master's degree at KTH, Sweden. During the past year, I focused on solar sailing satellite technologies as a research assistant for Professor Christer Fuglesang. Being able to devote myself to the development of next-generation propulsion systems for space missions is a lot of fun.

It's my pleasure to have received the scholarship from CESASC and attended the ceremony in 2019. All the brilliant people I met there are rising stars in science and engineering, and thanks for CESASC gathering us for deeper bonds. May we keep on thriving. I hope to outshine our past achievements in the future.

Lin Du (杜琳)
Ph.D. Student
Asian Languages and Cultures Department
UCLA



CESASC Scholarship Recipient (2020)

My name is Lin Du, a Ph.D. student at Asian Languages and Cultures Department at UCLA. I use computer vision to analyze historical photographs during WWII for my dissertation on the history of Chinese and Japanese photography. As a Ph.D. student at UCLA devoted to Chinese art and culture, I share the vision with CESASC and aspire to use technology to bridge the gap between art and science and promote interactions between experts and non-experts.

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**Call for Donations**

Created in 1986, CESASC Scholarship Foundation is a federal 501(c)(3) non-profit corporation. Annually, the CESASC Scholarship Foundation funds the CESASC scholarship program to encourage students to pursue engineering, science and technology, including topics of medicine and economics. Its mission now has extended to the support of educational conferences and the pursuit of studies important to the technology professions. Presentations are made at the annual Convention.

We welcome all donations and special funds, which are tax deductible to the extent allowed by law. Please make checks payable to "CESASC Scholarship Foundation" and send to **M. Kwok, 5474 West 76<sup>th</sup> Street, Los Angeles, CA 90045-3208**. Further information may be obtained from Shan Lee ([slee@kanderpacific.com](mailto:slee@kanderpacific.com)), Board Chair, or Munson Kwok ([munsonak@aol.com](mailto:munsonak@aol.com)), Treasurer of CESASC Scholarship Foundation. Please inquire about the special fund program before donating.

**“Consider a Scholarship or Special Fund donation honoring CESASC’s 60<sup>th</sup> Anniversary!”**

# My Reflections on CESASC

By Dr. Chih-Ming Ho (何志明), CESASC President (1988)

Congratulations on the occasion of CESASC's 60<sup>th</sup> Anniversary!

CESASC is a leading and an ever-growing Chinese-American organization in Southern California. This is attributed to our Founding President, Mr. Henry Chi and founding members, who have cast visionary aims in the bylaw. Our mission is to promote the best interests, aspirations, and professional excellence of Chinese-American engineers and scientists. The founding fathers have set the role of CESASC as a non-partisan professional society. CESASC is proud of our Chinese heritage but not involved in foreign politics. Dr. Charles Sie (a CESASC life member) and other Chinese-American leaders met President Bill Clinton in the White House to advocate and to protect the warfare and rights of Dr. Wen-Ho Lee.

Cultivating next-generation Chinese-American leaders is CESASC's tradition. In the 1986 Convention, we awarded a scholarship to Linda Liao, a Brown University student. At present, Dr. Linda Liao is a world-renowned brain surgeon and ranked as the top 1% doctor in the nation by the U.S. News. She is the UCLA Chair of the Neurosurgery Department. Dr. Wen Li, Chair of CESASC Youth Committee in 1989, is currently a world-class researcher in AI biomedical sensors and the Vice President of Hong Kong City University.

On August 29, 2020, I attended the truly impressive CESASC 58<sup>th</sup> Annual Convention. I was especially moved by that the event was excellently planned and perfectly executed by young Chinese American professionals. 汤盘铭曰“苟日新，日日新，又日新”。Next-generation Chinese Americans professionals will bring CESASC to a new (新) horizon.

Wishing CESASC another 60 great years ahead!



Photo 1. Dr. Ho (R) Presented 1986 CESASC Scholarship



Photo 2. Dr. Ho (R1) with Keynote Speaker Elaine Chao (L2) at 1989 CESASC Convention (R2: Shirley Ho)

**Note:** Dr. Chih-Ming Ho is a member of the US National Academy of Engineering (1997), an academican of Academia Sinica (1998), a Doctor of Engineering Honoris Causa from Hong Kong University of Science and Technology (2014), and Fellow of AAAS, APS, AIMBE, AIAA, and 3M-Nano Society. He is known as a pioneer of AI-personalized medicine, microfluidics-based molecular sensor systems, and control of turbulence.



**By Dr. Wei H. Kao (高為雄), CESASC President (1989)**

**By Dr. Wei H. Kao (高為雄), CESASC President (1989)**

We at CESASC developed mentoring programs that brought in highly achieved Chinese-American scientists, US-China-Taiwan scholars, US government technology program policy makers, big company executives to share their views on career development. At that time, a large portion of our members were working for aerospace companies, government laboratories and universities, where DoD funding was typically associated with career stability. The majority of active CESASC committee members were educated in Taiwan. However, the profile of the active members has slowly changed over the last 30 years, with many younger and resourceful scientists educated in Mainland China joined. These scientists have taken the responsibility for carrying the CESASC torch. Chinese heritage has been the fundamental binder of CESASC members. As a note, the fast growing CESASC in all fronts has also led to the successful forming of several Chinese-American professional associations in disciplines where Chinese-American engineer/scientist excelled.

時人  
焦語

# 特 專語

由於美國國會之影響，國防預算將大幅減少，在以國防之華商主之南加工作之華商工程師們自然受到波及，但此提案是早有明文，各大公司已是心中有数；但最近歐洲情勢變遷，國防部大

概提出的預算只有295 billion，較去年還縮減的少了二、六%，以後每年尚有二%的基成。顯然的，以後歲月中不但國防預算政府預算的百分比將減少，而在國防預算中，由攻擊性武器系統的百分比也將大幅減少，於防禦性武器系統一般佔預算的大部份，在預算緊縮，新發展計劃不明之前，國防工業一年、二年的混濁期，以致待時的人員裁減將不可免。華商工程師們在工作環境變數不可知之情況下，將有何反應？

最近間後，率有大批來自台灣、不虞泰山之感。一是能下決心，改正自

己缺點，則雖處逆境，在此非等觀念最厚之氣氛下，實可趨不致於治理土中，最後一定可進入管理階層或在專科領域中大放異彩。

另一模式則是參與華人社團，以期舒舒鬱悶。至於有些工程師行有餘力，自行創業，相信其在管理、經營或技術上必有其過人之處，無論成功，則無疑的均為復修之士。

近年來，南加州華人社團如雨后春筍，紛紛成立。除了社區型的是以服務政治為目的外，其餘的專業性的社團事實上仍大半以聯誼性質為主，而且侷限於華人圈內。但社團之存在應先拿出替會員服務之方法及成效，以吸引專業人士大量加入成為會員，至於除聘請專門人員或科技人才演講與行為示範活動外，共襄盛舉。如今實際服務乃以呈名人花名一閱為榮。除為本團本身打知名度外，對會員無實質上之助益，則所謂服務民權，實為不值。

專業性的社團，對華裔工程師而言，除了友誼性的助益外，最重要的就是能使會員服務的社團承認其存在，既為服務會，則必需能在外人前堂冕的拿出招牌，而不至只在本社團中運作。因為該科技領域，應只在少數人圈中運作。無論在那一個圈子，均有極大成就。一般高層科技中，亞裔佔約六至一二，而華裔佔半數，也就是百分之六十左右，但人數雖不多，有碩士學位士學位的人卻佔多數。所以理工上的影響力絕對數倍於人數。如以博士學位來算，就十個人數計算，也可高達百分之二十以上。所以在科技上而言，華裔佔少數，但值得注意的是在管理階層上，卻絕對是少數民族，其原因固另文討論。

專業性的社團如何才能在職業上幫助會員服眾呢？第一，在成立之初，即應考慮在各公公司中地位較高的華裔來擔任職位或顧問。因為一個大公司，如像萊克有民族性的社團支持或承認，必定是先看其給公司以社團支持或不支持，因為有一個組織組織給以員工，第二就是各種活動，主動爭取各大企業人士或是財務上正式公開贊助，以擴大本公司工程師們的聲望以及重要性，否則只是私下運作，對會員則毫無助益，也便會員們只能在華人社團打出旗幟，在其本身服務的公司則則而不言。如此對社會員工身上毫無益處。則又何必成立社團？業性社團？校友會及職協會已足夠了，此不

高階層管理員之參與，亦需要華高的高階層經理們出面，也就是說，此點亦與前述二點互為因果。總而言之，為了替會員們服務，專業性的社團務必要能以擴大公司的管理層圈為目標，如此才能穩打穩定，從而增加華高工程師的形象及影響力。同時，社團的成就才能與員工利益相連，以期對事業前線有助益，如此才不失成立專業性社團之精神。舉例來說，南加中華工程師會的各種會議，均有各大公司的總裁或副總裁參加，而大公司也將支助別人的年終預算中：經過數年來的努力，會員們已可將該工會的成本納在公司中正式座用了，這都是運用以上三原則之成果，特此寫出，聊為借鑑。

另外由於社團及同學會的大量成立，常見的是社團回國講學，大體暫且不論，以台灣為例，近年來，回國講學且士路輝於途，各機構又經費充足，一般來說，學術水也均已不差。華高工程師如學有所長，應盡量講學是甚有助益。

但是當台灣各研究領域機構主管統統抱怨，認為若是已研完研究領域成熟了的工程師，不但大家都知道，就算不知道，也會全力



因必須結合技術、經驗及管理始能產生。回國講學，最能精闡回國之名，較易易。合同領域中科技管理人才，回國做些方向及政策上的建議，如此正是符合所需，也可達到回國之效。至於個人學有專精，則根本無需社團之名，照样可回國講學。如果幹部專一齊回國，作蜂蟻點水式的講學，不但收效不大，主人煩不勝煩，只恐也不符所需，而且對社團本身的功能及組織必也引起困擾，不可不慎。(本文作者為雄獅、南加州中華科技會會長，密西根州立大學博士，現為美國太空科技公司材料科學實驗室主任經理。)



# **Retrospect of CESASC 50th Anniversary Gala**

科研碩學展助儀 工管環保會生醫 六秩雅聚棕櫚苑 十里南加壽期頤

**By Shirley Ho (何張翠姝), CESASC President (2004)**

What a special year 2010 was for me! Aside from the Board Chair commitment for two consecutive years, I was concurrently named the Chair for CESASC 50<sup>th</sup> Anniversary Gala held at Millennium Biltmore Hotel on April 22, 2012.

## **Honorary Committee and Gala Event Committee**

Words cannot express my sincere gratitude to many individuals who have contributed so much towards CESASC's development since 1962. As “**Retrospect and Prospect**” was the theme of our 50<sup>th</sup> Milestone Anniversary, we were honored to invite Mr. Henry Chi (1923. 3. 25 – 2020. 11. 27), Dr. Lois Chi (1921. 5. 12 – 2019. 4. 6), Dr. Shu Chien, Dr. Yuan-Cheng Fung, Dr. Charles Sie (1934. 9. 12 – 2013. 2. 27), Mr. John Sie, Dr. John Tu, and Dr. Theodore Wu to serve on the CESASC 50<sup>th</sup> Honorary Committee. Additionally, a CESASC 50<sup>th</sup> Anniversary Gala Event Committee was formed in 2010 summer for us to plan ahead. Special thanks go to Gala Committee Co-Chairs including George Chao, Suellen Cheng, Elizabeth Kay-Im, Wei Kao, Munson Kwok, Shan Lee, Tung-Po Lin, Edward Liu, and Jason Wen for their wise counsel and guidance. The attendance of our 50<sup>th</sup> Anniversary Gala reached 384.

## **CESASC 50<sup>th</sup> Anniversary Special Edition Journal**

Led by Dr. Liping Yan, the Editor-in-Chief, over forty writers including our former presidents, board & committee members, as well as CESASC supporters and friends, had devoted countless hours to include CESASC's history into this milestone journal. From the summary of CESASC's first 50 years to the highlights of five decades, from the outlines of CESASC major functions to the new generation-related topics, this Special Edition has been the major historical resource for CESASC's development over the years.

## **CESASC 50<sup>th</sup> Annual Convention: Daytime Programs**

As an important part of our 50<sup>th</sup> Annual Convention, CESASC held one special daytime program “**Generation Dialogue between Present and Future**” organized by Dr. Yutao He. The program was designed to provide a unique mentoring opportunity through open panel discussion for young students in the early stages of their academic and career endeavor. The panelists were composed of CESASC Achievement Awardees and other well-accomplished Chinese American engineers and scientists. Hosted by CESASC Scholarship Foundation, an Appreciation Cocktail Reception immediately followed the mentoring program was highly commended as well.

## **CESASC 50<sup>th</sup> Annual Convention: Evening Gala**

Twenty-eight former presidents attended the CESASC 50<sup>th</sup> Anniversary Celebration Elizabeth Kay-Im and Munson Kwok served as Co-Masters of Ceremonies. The national anthem sung by me and Shan Lee's welcome messages kicked off the evening program. Following the speeches of founding couple

Henry and Lois Chi, two Slides Shows “Five Golden Decades” and “Recognition of Past Presidents” provided all the guests with a better understanding of CESASC’s history and its contributions during the past fifty years.

Through the opening remarks by President Jason Wen, the climax of CESASC 50<sup>th</sup> Anniversary Gala finally arrived with anticipation. We were honored to have Dr. Shu Chien, University Professor of UC San Diego, as our Keynote Speaker with a topic “Life and Science.” CESASC 2012 Lifetime Achievement Award and Achievement Award were presented to Dr. Li-San Hwang and Dr. Cun-Yu Wang, respectively. The Corporate Awards went to Jet Propulsion Laboratory/Caltech, Raytheon Company, and Torrance Memorial Medical Center. Furthermore, Dr. Jiin-Jen Lee, Suellen Cheng, Li-Jean Wang (1939. 7. 27 – 2021. 4. 13), and Cecilia Cc Yu were the recipients of CESASC Appreciation Awards. Additionally, we presented scholarships to eight outstanding undergraduate and graduate students: Chi-Jiun Albert Chang, Haodong Chen, Jun Deng, Xianting Ding, Jonathan Hsu, Kevin Daiqi Linghu, Jingran Ma, and Tong Qiu Yan.

### Concluding Remarks

CESASC 50<sup>th</sup> Anniversary Gala ended successfully in a round of praise. As a longtime supporter, I wish CESASC continued success through the leadership of future board members and support from the community-at-large.



**Photo 1. Former CESASC Presidents at CESASC 50<sup>th</sup> Anniversary Gala**



**Photo 2. Recipients of 2012 CESASC Scholarship (L3 to L10) at CESASC 50<sup>th</sup> Anniversary Gala (L1: Shirley Ho; L2: Yutao He; R1: Jason Wen)**



# My Efforts at CESASC

By Shan Lee (李珊), CESASC President (2005)

I served as the President of CESASC in 2005-2006 and two terms as the Chairman of the Board in 2006-2007 and 2007-2008.

Our 2007 Annual Convention was held at Hilton Los Angeles Airport on April 14, 2007. I was able to get the congratulation letters from the White House, Labor Secretary Elaine L. Chao, the Governor of California and the Mayor of Los Angeles for the Convention which really elevated the status and visibility of CESASC.



Photo 1. Mrs. Sanne Lee & Mr. Shan Lee

I tried to reach out to the broader science and technology base in Greater Los Angeles area to include participants from entertainment industry, life science, earth/environmental science field and many emerging technology innovators into our programs and activities to make up for the diminishing presence of aerospace industry in Southern California. We were able to get speakers from DreamWorks Animation, Walt Disney, Amgen, URS/AECOM, Qualcomm, etc. to participate in our programs.

The advancement of science and technology never stops and still continues today as we witness the digital technology reinventing new business models in every industry, communication technology changing how people communicate with each other in ways unimaginable a few years ago. The advancement in bioscience providing the keys to understanding the DNAs and their biological functions which help us find solutions to diseases and improve human longevity. As we celebrate our 60th anniversary at CESASC, we are very proud to be part of the group of scientists and engineers who contribute to that progress.



Photo 2. Corporate Vice-President of Raytheon, Ms. Heidi Shyu (C) Received 2007 CESASC Achievement Award and Gave Luncheon Keynote Speech  
(L to R: Manwai Szeto, Kung Yao, Sikun Lan, Heidi Shyu, Shan Lee, David K. Lee, Fonda B. Wu, 4/14/2007)



Photo 3. CESASC received an Award from Chinese American Museum at their banquet in 2012  
(L to R: Elizabeth Kay-Im, Shirley Ho, Edward Liu, Shan Lee, Executive Director of Chinese American Museum, Dr. Michael Duchemin, Yutao He, Jason Wen, 9/27/2012)

# Special Thanks to CESASC

By Dean Ho (何鼎), CESASC Research Poster Session Co-Chair (2005)

## My Story with CESASC

I was only 8 years old when I first time heard of CESASC.

In 2004 while I was a UCLA graduate student, I joined the Technical Symposium organizing team as one of the Co-Chairs of the Student and Postdoctoral Research Poster Session which covered Biological Sciences, Chemistry, Engineering and Applied Sciences, and other disciplines to connect CESASC with future generations of scientific and community leaders in an effort to improve the human condition through innovation. Through the counsel of multiple faculty members and colleagues, the 2005 Research Poster Session comprised of 25 presenters\* was highly commended by the Symposium participants.



### \* 2005 Student and Postdoctoral Research Poster Session Participants

Sarah N. Ahn (UCLA), Pai-Chun Chang (UC Irvine), Benjamin Chu (UCLA), Yinting Chu (UCLA), Edward Chow (UCLA), Zhiyong Fan (UC Irvine), Daniel Garcia (UCLA), Jason Guu (UCLA), Dean Ho (UCLA), Juliana Hwang (USC), Ronaldo Ichiyama (UCLA), Hyeseung Lee (UCLA), Christina Li (USC), Audrey Lin (UCLA), C. K. Lin (UCLA), Charlotte Liu (UCLA), Ronalee Lo (USC), George Chu (UCLA), Adrian Tinio (JPL), Nicholas Toole (UCLA/JPL), Jake Wang (UCLA), Tak-Sing Wong (UCLA), Jianzhong Xi (UCLA)

Then, in 2007, I further became a CESASC life member through several senior members' guidance and encouragement.

The knowledge and experience I gained from CESASC have benefited me quite a lot towards the development of my research and academic careers in the future.

## Overview of My Research Accomplishments since 2006

### *Nanodiamond (奈米鑽石) (Northwestern University, Evanston, Illinois) 2006-2012:*

While I was an Assistant Professor (2006) and then a tenured Associate Professor (2010) in the Departments of Biomedical Engineering and Mechanical Engineering in the Robert R. McCormick School of Engineering and Applied Science, Northwestern University, Illinois, my research team has covered emerging areas of nanomedicine and nanodiamond-based drug delivery. Through my colleagues' dedication hard work, we were the first to develop nanodiamond platforms for cancer therapy and wound healing, among other areas.

Additionally, we were the first to demonstrate the translational potential of nanodiamonds as chemotherapeutic delivery agents, specifically towards the treatment of drug-resistant cancers in vivo, and eventually, clinical studies with nanodiamond polymers in oral health.



*(Photo Credit: National University of Singapore)*

#### ***N.1 (個性化醫學) and WisDM (數字醫學) (National University of Singapore) 2018-Present:***

I moved to UCLA as a Full Professor in 2012 and subsequently moved to NUS in 2018. I became the NUS Director of N.1 and WisDM, clinical-stage research institutes that harness AI and Digital Medicine to change the practice of healthcare. Over ten first-in-human clinical studies based on N.1/WisDM-developed technologies are ongoing or nearing clearance. These institutes have pioneered the development and subsequent clinical translation of platforms pertaining to N-of-1 medicine, digital therapeutics, and novel drug development, among many other domains.

#### **Best Wishes**

I would like to thank all board and committee members who have worked so hard to organize the CESASC 60<sup>th</sup> Anniversary Celebration. May CESASC have many more successful years to come!

**Note:** Dr. Dean Ho is a Provost's Chair Professor in the Departments of Biomedical Engineering and Pharmacology, Director of the N.1 Institute for Health (N.1), Director of the Institute for Digital Medicine (WisDM), and Head of the Department of Biomedical Engineering at the National University of Singapore. He is Fellow of United States National Academy of Inventors (NAI, 2018), Honoree of Tatler Asia's Generation T List (亞洲新銳先鋒, 2019), Fellow of American Association for the Advancement of Science (AAAS, 2021).



# LEAP Into a New Journey in the 7th Decade

By Dr. Yutao He (何宇滔), CESASC President (2012)

Time has wings. It seemed that it just happened yesterday when I received the CESASC gavel from Dr. Jason Wen as the CESASC 51st President 10 years ago. Now we are celebrating CESASC's 60th Anniversary.

At CESASC 50th Convention in 2012, as the Scholarship Committee Chair, I organized a mentorship session in the historical Millennium Biltmore Hotel that featured a face-to-face dialogue of cross-generation between ten CESASC scholarship recipients and a group of established CESASC members, including Drs. Jason Wen, Yue Rong, and Dankai Liu. It was so well received that motivated me to launch two initiatives under my presidency: one is the LEAP, and the other is the Essay Competition, titled Future Technology Can Improve Human Life, targeted to inspire K-12 kids to get involved in STEM studies, which is still alive today as a regular CESASC program.

LEAP was started as an educational program, at the request of two CESASC scholarship recipients in 2012, Jun Deng and Haodong Chen, who were Ph.D. students in Microbiology at UCLA at that time. It stands for Leadership, Excellence, Aspiration, and Platform, which was conceived by me and voted to the program name by the founding team of young graduate students.

LEAP is committed to building a trustworthy and sustained platform for professional growth and career advancement of young Asian Americans and those from Asian countries currently studying or working in America in STEM and other related fields.

The inaugural conference of a full-day program took place on February 23, 2013 at UCLA with a full-house attendance of over 100 students. Dr. Charles Sie (9/12/1934 – 2/27/2013), a CESASC Advisor, made a keynote speech, titled *A life of Learning and Surviving in Corporate America*. It was so well-received and prompted me to hold the second LEAP conference again in collaboration with SABPA in November 2013 at Caltech. It has been held annually ever since then. In June 2015, with the consent from the CESASC Board, LEAP was incorporated in June 2015 to become an independent 501(c)(3) non-profit organization with an exclusive focus on establishing a resourceful and open platform to advocate outstanding leadership, encourage professional excellence, cultivate great aspiration, and provide job opportunities.

Sadly, Dr. Sie passed away a few days later after the first LEAP annual conference, and the keynote speech at LEAP 1.0 became his last public appearance. On behalf of CESASC, I made a tribute to Dr. Sie at the memorial service held in Palos Verdes: “Charlie set a prominent example for all Chinese Americans, humble yet courageous, smart yet diligent, passionate and caring. His passing away has been a terrible and unexpected loss to Chinese American community. He will be missed. My sincerest condolences goes to Maureen and the family.”

Thanks to Dr. Sie and many other mentors' great support over the last decade, LEAP has continued to grow to influence thousands of students and young professionals, and held the 10th annual conference on-line last year.

As for the ten scholarship recipients at CESASC 50th Anniversary who I have kept contact with, including two student co-founders, they all charted a successful professional journey. Dr. Jun Deng is currently a rising star partner at a high-tech investment fund in Silicon Valley. Dr. Haodong Chen, who got married with Dr. Deng, is currently a Vice President of a biotech startup in Silicon Valley after his postdoc fellowship at Stanford. Dr. Xianting Ding returned back to China and is now a full professor in bioengineering at Shanghai Jiaotong University. Dr. Jingyan Ma is now a Senior IT Manager at a bank in Los Angeles. One of the undergraduate scholarship recipients, Tong Yan, is a MD/MPH student at the George Washington University and currently visiting Stanford for a training program.

A few years ago at Caltech, I took my two daughters to a talk given by Walter Isaacson, the author of a few bestselling biographies including the one of Steve Jobs. During the firechat, he shared: “Near the end of his life, I asked (Steve Jobs) about the meaning of all this. He said that he’d learned ... that life is like a river. At first, you think that if you’re successful, you get to take many things out of the river, products people have made or ideas they’ve come up with. But he said, ‘Eventually in life, you realize that it’s not what you get to take out of the river, it’s what you get to put into the river.’”

In reflection, I’m so honored to be part of CESASC’s unwavering journey and so humbled to be its 51st President to kick off the 6th decade. While CESASC has been strong and is about to embark on its 7th decade, it continues to be a boat on the river of life. It has been at the helm of dedicated and caring people like Henry Chi, Dr. Lois Chi, Dr. Charlie Sie, Yiu Man So, and many more.

Happy 60th birthday, CESASC! Bon voyage!



**Photo 1. CESASC Scholarship Foundation Board Meeting at Caltech Athenaeum, Including Dr. Charles Sie (12/12/2012)**



**Photo 2. Dr. Charles Sie Delivers the Keynote Speech at the LEAP Inaugural Conference at UCLA (2/23/2013)**



**Photo 3. CESASC Representatives at Memorial Service of Dr. Charles Sie (4/6/2013)**



**Photo 4. 2013 CESASC Lifetime Achievement Awardee Dr. Alice Huang at CESASC LEAP 2.0 Forum (11/2/2013, Caltech)**



**Photo 5. LEAP Mentor’s Day Program at UCLA (1/23/2016)**



**Photo 6. With Jun Deng and Haodong’s Family Including Their Daughter Liz in Palo Alto, CA (9/6/2021)**

# My Services at CESASC and Three Big Celebrations of CESASC's Three 10<sup>th</sup> Anniversaries

By Dr. Liping Yan (顏利平), CESASC President (2013)

In May 1986, I met Dr. John Chih-hong Chen (陳治宏) on the campus of the Southwest Jiaotong University in Emei, Sichuan, China. Dr. Chen, a long-time volunteer for CESASC (served as CESASC Convention Chairs for many times and the 1996 CESASC Vice President), is the first CESASC member I ever met. In September 1986, I came to Caltech for further study and got more opportunities to see Dr. Chen. He introduced me to CESASC. The second CESASC member I met is Dr. Theodore Y. Wu (吳耀祖) who was a professor at Caltech and served as the 1967 CESASC President. Dr. Wu has become one of my mentors.

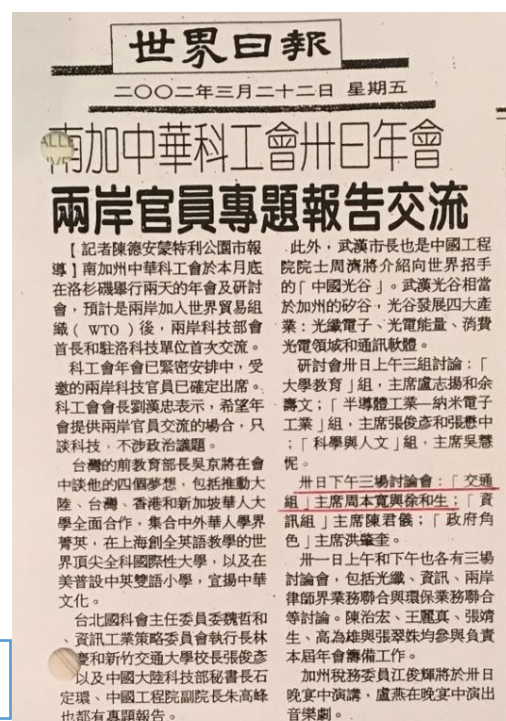
On March 28, 1987, I joined for the first time the activity organized by CESASC: the 1987 CESASC Technical Symposium. Since then, I has been forging an indissoluble bond with CESASC and has participated in CESASC's activities every year for 35 years. The three big celebrations of CESASC's three 10<sup>th</sup> anniversaries, i.e., the 40<sup>th</sup>, 50<sup>th</sup>, and 60<sup>th</sup> Conventions, are especially significant to me and marked the milestones for my services at CESASC.

## The 1<sup>st</sup> Big Celebration of the 10<sup>th</sup> Anniversary – The CESASC 40<sup>th</sup> Anniversary Convention

In 2000, I began my services at CESASC, initially helping promote CESASC events and assist on-site for activities. In early 2001, I got a call from Dr. Charles C. Wang (王啟明, the 2001 CESASC Vice President) who asked me to serve on the CESASC Committee. Later, Charles Wang and Edward Liu (劉漢忠, the 2001 CESASC President) interviewed me at a coffee shop in the City of Cerritos. Not long after, I started serving on the Organizing Committee for the CESASC 40<sup>th</sup> Anniversary Convention. I attended several meetings including those held at the home of Dr. John Chih-hong Chen (the Convention Chair) and the office of William Chang (張靖生, the 2002 CESASC Chairman of Board).

The 40<sup>th</sup> Anniversary Convention was held on March 30 and 31, 2002 at LAX Hilton. Photo 1 is a picture of the newspaper clipping about the convention. During the two-day event, I assisted in the on-site activities, especially receiving and accompanying the honored guests from Mainland China including President Benkuan Zhou (周本寬) from my alma mater - the Southwest Jiaotong University. I arranged for the guests to be interviewed by the host of AM1300 radio station on the talk show "Rush Hour." At the convention gala on March 31, 2002, I was installed as the Vice President, which is the 1<sup>st</sup> time for me to be CESASC Vice President.

Photo 1. The Newspaper Clipping about the 40<sup>th</sup> Anniversary Convention





## **The 2<sup>nd</sup> Big Celebration of the 10<sup>th</sup> Anniversary – The CESASC 50<sup>th</sup> Anniversary Convention**

I didn't imagine I would serve as Vice President of CESASC for three consecutive terms from 2002 to 2004. In 2003, I was the Chair for the 2003 CESASC Technical Symposium held on June 21, 2003 at Pacific Palms Resort and served as Chair or Co-chair of CESASC Technical Symposium several times afterwards, e.g., co-chaired with Dr. Hongyu Zhang (張紅宇) and Dr. Nhan Do in 2004, and with Dr. Jian Peng (彭艦) in 2016.

Since late 2011, I had participated in the preparation for the coming 50<sup>th</sup> Anniversary Convention to be held at Millennium Biltmore Hotel in Los Angeles on April 22, 2012. I served as the Editor-in-Chief for the 50<sup>th</sup> Anniversary Special Edition Journal. Over forty CESASC members (including many senior CESASC former presidents) put lots of efforts to write articles that contain very precious records of CESASC's glorious history in the past half century. In the final phase of editing, I took one week off from my job as vacation to work on the journal. I was extremely happy to get the journal printed in time and the journal received wide acclaim. The journal with a total of 108 pages can be downloaded from CESASC website ([www.cesasc.org](http://www.cesasc.org)). At the 50<sup>th</sup> Convention gala, I was again installed as the Vice President, which is the 4<sup>th</sup> time for me to be CESASC Vice President, a special record in CESASC history. It's worthwhile to mention that my 2<sup>nd</sup> son Tong Yan (顏瞳) received the 2012 CESASC Scholarship at the 50<sup>th</sup> Convention gala. It is another special record in CESASC history: father being installed as Vice President and son receiving scholarship on the same night.

At the 2013 CESASC Convention held on March 30, 2013 at San Gabriel Hilton Hotel, I was installed as the President of CESASC. During the year from 2013 to 2014, I worked hard with CESASC Board to fulfill the mission of CESASC. Especially together with Dr. Yutao He (何宇滔, the 2013 CESASC Chairman of Board), we continued pushing forward the LEAP Career Development Forum (a CESASC's new initiative launched in 2012). We held several CESASC LEAP Forums (e.g., at NAAAP on 10/26/2013, at Caltech on 11/2/2013, and at UC Irvine on 11/30/2013). These forums have benefited students and young professionals greatly.

In 2014, I was elected to be the Chairman of CESASC Board. The 2014 CESASC President Dr. Dankai Liu (劉登凱) and the Board organized several seminars on various topics such as Big Data and Cultivating Children's Interest in Science & Math. Another effort we made was to prepare for the workshop series entitled *Breaking Bamboo Ceiling*, which became popular after launching.

## **The 3<sup>rd</sup> Big Celebration of the 10<sup>th</sup> Anniversary – The CESASC 60<sup>th</sup> Anniversary Convention**

This year is very special to the CESASC family because it is the CESASC's 60<sup>th</sup> Anniversary. The CESASC 60<sup>th</sup> Anniversary Convention will be held on June 26, 2022 at Pacific Palms Resort. I was honored to work on editing the 60<sup>th</sup> Anniversary Special Edition Journal with Dr. Hui Su (蘇慧, the 2018 CESASC President). It's the 3<sup>rd</sup> special record in CESASC history: someone involved in two Anniversary Special Edition Journals with 10 years apart.

Serving is a blessing. I am grateful to CESASC for providing me such a great platform to serve the community of Chinese-American engineers and scientists. I thank all the CESASC members for the support and help. I appreciate the friendship developed through all these years. I am happy to see the CESASC torch being carried on by the younger generation! I am looking forward to joining the big celebration at the CESASC 60<sup>th</sup> Anniversary Convention.



**Photo 2. The 2003 Technical Symposium: Luncheon keynote Speaker Dr. Man-Chung Tang (R) (6/21/2003)**



**Photo 3. The 2003 Convention: Appreciation Ceremony (6/21/2003)**



**Photo 4. The 2004 Technical Symposium: (L to R) Dr. Nhan Do, Keynote Speaker Dr. Peter Tsou, Dr. Liping Yan (5/22/2004)**



**Photo 5. The 50th Convention: Panelists & Scholarship Recipients in the Generation Dialogue between Present and Future (4/22/2012)**



**Photo 6. The 2013 Convention: Press Conference with Awardees (3/30/2013)**



**Photo 7. CESASC Representatives at 2013 Moon Festival & SWCSSA Expo (9/22/2013)**



**Photo 8. Volunteers at CESASC LEAP 2.0 Forum (11/2/2013)**



**Photo 9. The 2014 Convention: Press Conference with Awardees (4/19/2014)**

# My Services at CESASC

By Dr. Dankai Liu (劉登凱), CESASC President (2014)

Congratulations on CESASC's 60<sup>th</sup> Anniversary!

I am grateful to have the opportunity to serve as the President from 2014 to 2015 and Chairman the following year for CESASC - a great organization created by Henry Chi and his wife, Dr. Lois W. Chi, back in 1962, only four years after NASA was created. What a vision Henry and Lois had!

During my services at CESASC, I had several objectives:

1. To encourage the younger generation to participate in CESASC;
2. To provide community service; and
3. To increase the community awareness of CESASC.

In addition, we also encouraged high school students to participate in the CESASC STEM (Science, Technology, Engineering, and Math) Program.

Under these objectives, CESASC initiated several new programs:

1. Held monthly seminars for our community;
2. Started a weekly radio program at Radio Golden Vintage (金華之聲) to share our knowledge with the community;
3. Raised money so that we could provide a good opportunity for students to attend our annual convention at the discount rate;
4. Started yearly gatherings for our former leaders;
5. Expanded the STEM Program to include more high school participation; and
6. Started a Youth Committee to attract more college students to join CESASC.

We had a very successful annual convention held at Sheraton Cerritos Hotel May 2, 2015. We invited Former JPL Director and Voyager Principal investigator, Dr. Ed Stone, as our luncheon keynote speaker. His excellent speech attracted about 200 attendees, including many college and high school students. In the evening, our keynote speaker, Dr. James C. Liao (廖俊智), now the 11<sup>th</sup> President of the Academia Sinica, Taiwan, attracted about 350 attendees.

Overall, CESASC had a very fruitful year when I was the president, thanks to efforts from our excellent team! We engaged many students and we hope to continue this progress for the next 60 years.

Happy birthday, CESASC!

## Attachment:

The sixteen photos show some of the moments for the people involved in our activities.





Photo 1. 2015 Convention: Keynote Speech by Dr. Ed Stone



Photo 2. 2015 Convention: STEP Program Demonstration



Photo 3. 2015 Convention: Press Conference



Photo 4. 2015 Convention: Scholarship Presentation



Photo 5. 2015 Convention: Achievement Awardees



Photo 6. CESASC Former Leaders Gathering in 2015

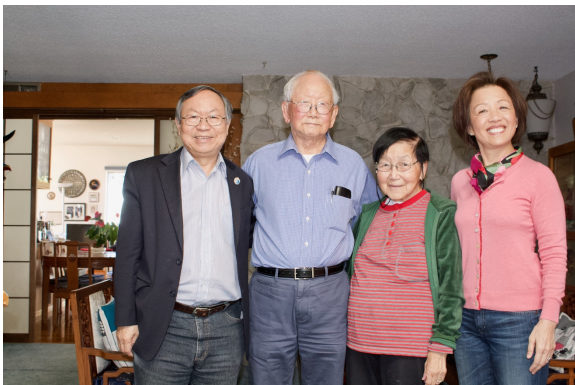


Photo 7. Dankai Liu and Jill Long Visited Henry Chi and Dr. Lois W. Chi (CESASC Cofounders) on 3/6/2015



Photo 8. Meeting with Dr. Shu Chien in 2015 (L to R: Liping Yan, Dr. Shu, Dankai Liu)





**Photo 1. Youth Committee Members Gathering on 1/24/2015**



**Photo 10. One of the Seminars in 2015**



**Photo 11. One of the Seminars in 2015**



**Photo 12. Seminar by Dr. Low in 2015**



**Photo 13. One of Cracking Bamboo Ceiling Workshops**



**Photo 14. Radio Program Host - Dankai Liu**



**Photo 15. Radio Program Co-host - Xinyi Huang**



**Photo 16. Radio Program Report Stephanie Chang live from JPL**

# Thanks to CESASC, I Met Two Nobel Laureates

By Dr. Yue Rong (容躍), CESASC President (2015)

Maybe it is a coincidence, I met two Chinese Nobel Laureates in 2016. CESASC gave me the opportunities.

## (1) Dr. Steve Chu (朱棣文博士)

We invited Dr. Steve Chu as the keynote speaker at 2016 CESASC Annual Convention. Dr. Chu had three prestigious titles: Co-winner of the Nobel Prize in Physics in 1997, Member of the American Academy of Sciences, and former Secretary of Energy under the Obama Administration. At that time, he was also a professor at Stanford University. It is always hard to invite a speaker of this caliber. However, for CESASC, we have a little bit of advantage that no one else has; that is, Dr. Steve Chu's father, Dr. Ju-Chin Chu (朱汝瑾) was a former CESASC president (1968) and the recipient of 1988 CESASC Achievement Award. Because of this relationship, Dr. Steve Chu accepted our invitation. He told me that he would receive about 20 invitations for this kind of speech per week. I replied that we were very honored to have him as a keynote speaker. Another reason of his coming was that the convention was to be held on campus of the University of California, Los Angeles (UCLA). A unique feature of that year convention was to collaborate with UCLA's "L.A. Environmental Grand Challenge" project to promote environmental protection awareness. For that reason, UCLA's Chancellor Dr. Gene Block and his wife were also in the attendance of the convention. At the convention, Dr. Steve Chu accepted the CESASC Achievement Award and became a duet of CESASC Awardee as father and son from the same family. This is a record for CESASC.

When Dr. Chu arrived at LAX from Stanford, I went to pick up him and his wife. On the way to his hotel, we had to drive on the jammed 405 freeway. While waiting in the traffic, he and I had an opportunity to chat. I told him that day just happened to be my birthday, nothing for a birthday present is better than a Nobel Laureate coming to give a speech at the association of which I was the president. I also found out he is a fan of NBA star Stephen Curry of Golden State Warriors. Me too, what is a coincident!

## (2) Dr. Samuel Chao Chung Ting (丁肇中博士)

In September 2016, I had an opportunity to attend a conference in Chengdu, China. The keynote speaker at the conference that day happened to be the Nobel Laureate in Physics in 1976, Dr. Samuel Ting, who was also the recipient of the 1978 CESASC Achievement Award. I approached him at the dinner table, introduced myself as the president of CESASC, and showed him a copy of the annual convention journal of that year. I asked him if he still remembered the award presented to him by CESASC. He said he did remember it. Then, he took the journal and read it for a while and said: "Oh, Steve went to your event." Yes, he referred to Dr. Steve Chu, his Chinese peer Nobel Laureate. That year Dr. Steve Chu delivered the keynote speech at 2016 CESASC Annual Convention. I asked Dr. Ting to sign the first page of the convention journal and also presented him a copy of the journal.



*Dr. YR (L) Met Dr. Steve Chu (R)*



*Dr. YR Met Dr. Samuel Ting and Got His Signature*





*The 54th Convention: Group Picture of CESASC Presidents (4/23/2016)*



*The 54th Convention: Keynote Speaker Dr. Steve Chu (L) and UCLA's Chancellor Dr. Gene Block (R) (4/23/2016)*

## My CESASC Presidency from 2016 to 2017

By Lan Saadatnejadi (茹蘭), CESASC President (2016)

I was installed as the President of CESASC at the 54<sup>th</sup> CESASC Annual Convention held on April 23, 2016 at UCLA. I'm very grateful to be CESASC's president during the 2016/2017 fiscal year and the 55<sup>th</sup> CESASC Annual Convention. The 55<sup>th</sup> CESASC Annual Convention was held on April 15, 2017 at Sheraton Universal Hotel with the theme of "Building for the Future." At the convention, CESASC was recognized by Congresswoman Judy Chu and offices of Supervisors Hilda Solis and Kathryn Barger. The then upcoming board was installed by Mayor Samuel Kang of City of Duarte. The convention was graced by the outstanding MC performance by Mike Eng of LACCD Board of Trustees, and award presentations by Mrs. Daphne Ng of SCE, Mr. Joe Reed of Balfour Beatty, Dr. Liping Yan of LADWP, Ms. Cynthia Guidry of LAWA, Dr. Joshua Schank of LA Metro, and Mr. Joel Jacinto of LA Commissioner of Public Works.

Our attendees were extremely impressed by the caliber of speakers, awardees, and music performance, including:

- Speakers (in order of appearance):
  - Dr. Hao Zou, CEO, Abundy, on *Artificial Intelligence in Financial Industry*
  - Dr. Suming Chen, Google, on *Improving Personal Search with Machine Learning*
  - Dr. Yinuo Li, Gates Foundation, on *The Most Difficult Problem*
  - Mr. Henry Shu, Founder of SpeedyAI, on *Artificial Intelligence Demystified*
  - Dr. Jonathan Jiang, JPL, on *Impact of Pollution on Hydropower Generation in California*
  - Charlie Zhang, CEO Zion Enterprises, founder of Pickup Stix, on *Entrepreneurship and Career Development in the 21<sup>st</sup> Century*
  - Jennifer Li, President of Novotech Nutraceuticals, on *Women Entrepreneurship*
  - Professor Thomas Sy, UCI, on *Why Aren't There More Asian Americans Leadership Positions*
  - Mr. Ben Shih, Google, on *Current Hiring Trend in Technology Sector*
  - James Erickson, JPL, on *Curiosity Rover on Mars: Science Highlights*
- STEM Awards:
  - Group 1 (Grade 6~8): Stanley Liu Jr., Major Yang, Rio Yonezawa
  - Group 2 (Grade 6~8 China, Sponsored by Perceiver Inc.): XiangYu Huang, Jiao Yutian
  - Group 3 (Grade 9~12): Benjamin Liu, Valerie H. Narumi

- Scholarship Awards:
  - Mo Chen, Siteng Fan, Danni Li, Ping Keng Lu, Tawny Tsang, Jianzhi Wu, Guodong Xie, Alice Zhai
- Business Competition Awards:
  - 1st Place: Eater Zone (Helen Hu, Angela Lao, Anna Zhang, Jonathan Kumamoto, Henry Chen)
  - 2nd Place: eClaim: A Rapid Auto Insurance Claim Management System Equipped with the Artificial Intelligence (Miki Li, Deen Ma, Nancy Xu, Yuri Jiang, Mark Wang, Canming Jiang, Eric Kingsbury, Sean Li)
  - 3rd Place: Anti-forgery Services Based on IoT, GIS and Big-data (Jiangong Chen, Li Fan, Ji Peng, Miao Jianming, Wang Lijie, Fu Chaojiann)
  - 4th Place: First Sight (Xi Wang, Harry Xu, Mingbo Gong)
  - 5th Place: Only for Your Progress (Yang Deng, Wenxun Guan, Xu Liu, Guang Li)
- Achievement Awards (in order of appearance):
  - Dr. Yinuo Li, Gates Foundation
  - Dr. Wilson Ho, UCI
  - Dr. Lee-Lueng Fu, JPL
  - Mr. Raymond Chan, LA Deputy Mayor of Economic Development
- Musical Performance – Chamber Ensemble by Qian Liu, Di Chen, Kyle Dombroski, Yufei Li, Zhengxian Qu, Xinlei Tong, and Yu Xie

Following are some of the accolades:

- Raymond Chan (LA Deputy Mayor of Economic Development): *“...thank you for the prestigious award and a great event. I am very impressed with the caliber of the CESASC members. Amazing!”*
- Dr. Wilson Ho (UC Irvine): *“...Thank you very much for making it possible for us to attend this event and for all the help that you have given me. It was wonderful to be part of this community.”*
- Dr. Lee-Lueng Fu (JPL): *“Thanks for the event last night. Cecilia and I enjoyed it very much. You folks did a great job to stage this complex operation.”*
- Prof. Yuk Yung (Caltech): *“We had a great time there last night. I am glad your generation has taken the initiative to lead CESASC into the second half century. This kind of inspiration and impact is unthinkable in my generation.”*
- Joe Reed (Balfour Beatty): *“Thank you so much for a great evening. I greatly appreciate the evening and opportunity of participating. Great event!!!”*
- Joshua Schank (Metro): *“It was my pleasure and thanks for including me and Lindsey! It was great meeting everyone..”*
- Cynthia Guidry (LAWA): *“Had a wonderful time! I was so glad to be a part of the event. Thanks for including meeting me.”*
- Jimmy Wu (Deputy for Supervisor Kathryn Barger): *“Thank you for the hospitality and generosity that I had had at the CESASC event. I was very honor and pleased to meet and know all of your organization and staff...I had a great evening and enjoyed it very much.”*
- Lawrence Shih (Deputy for Supervisor Hilda Solis): *“It was my honor to present the certificate to CESASC on her [Supv. Solis] behalf!*
- Lia Andika (AAPA): *“It was a fantastic event. What an impressive roundup of speakers, board, committee chairs, and volunteers.”*

Lastly, I would like to thank the tireless and selfless volunteers in the planning, preparation, and execution of events throughout the 2016/17 fiscal year. The sponsors were also greatly appreciated.

# My CESASC Presidency Year

By Dongmei Huang (黃冬梅), CESASC President (2017)

The year 2017-2018 marked the 56<sup>th</sup> anniversary of CESASC since founded in 1962. That was the year when I was honored to be the President of this incredible organization (Photo1). Now five years later, I still vividly remember that year of fun when the team worked hard together to serve our members and the community.

The first activity after my term started was “Bravo Olympics,” the Los Angeles rally for LA Summer Olympics 2028, on July 30<sup>th</sup>, 2017 (Photo 2). CESASC was one of the co-organizers. We got together with hundreds of people to cheer for our City of Los Angeles.

A month later on August 27, 2017, CESASC former presidents had our traditional annual mid-autumn reunion at Szechuan Restaurant in Torrance (Photo 3). Being the “newest” president in the room, I was thrilled by the conversations with my antecessors. They are my role models from whom I learned a lot. CESASC’s founding President Henry Chi was among us and made significant donation on the table.

I got to know Mr. Henry Chi more after a visit to him and his wife, Dr. Lois Chi. We called them “CESASC’s founding parents.” That was on a Super Bowl Sunday, February 4<sup>th</sup>, 2018. I visited the Chi house together with Board Chair Lan Saadatnejadi, Vice President Hui Su, and former President Yue Rong (Photo 4). Henry told us a lot of stories about CESASC from the time when it was founded till later on when it became one of the most influential non-profit organizations in Southern California Chinese-American community. We spent that afternoon with the Chi couple and had a great time.

Annual convention has been the highlight of CESASC’s activities every year. The year 2017-2018 was no exception. The 2018 CESASC Annual Convention was held on April 14<sup>th</sup>, 2018 (Photos 5 and 6). The theme was “We Are Connected (連結你我).” We were in deed connected with over three hundred members and friends at Pacific Palms Resort. From daytime program to evening gala, from technical symposium to business contest, from keynote speeches to award presentations, etc. We enjoyed all the incredible programs and a lot more. That was a full day of fun.

My 2017-2018 presidential term ended with countless precious memories, which made me feel so honored and proud to be part of CESASC family.

With CESASC’s 60<sup>th</sup> birthday right around the corner, I wish our dear organization a prosperous future!





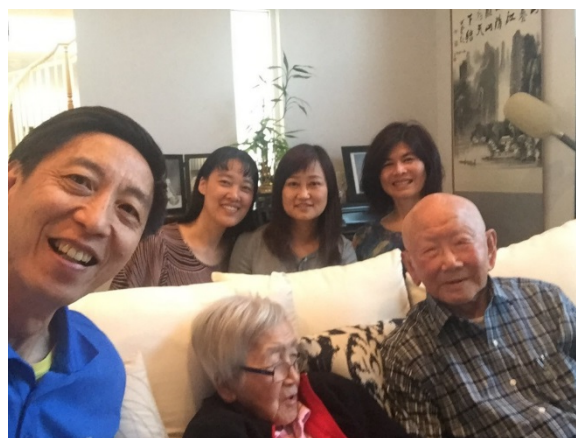
**Photo 1. Dongmei Huang Serving CESASC Presidency from 2017 to 2018**



**Photo 2. L to R: Lan Saadatnejadi, Liping Yan, Dongmei Huang, Hui Su, Robert Liu, Yu Gu, Jonathan Jiang, and YR**



**Photo 3. The Mid-autumn Reunion on 8/27/2017 with CESASC Former Presidents**



**Photo 4. Front (L to R): YR, Lois Chi, Henry Chi; Back (L to R): Dongmei Huang, Hui Su, Lan Saadatnejadi**



**Photo 5. The 2018 Convention: CESASC Officers (L1: YR, L2: Liping Yan, R1: Dongmei Huang) with Luncheon Keynote Speakers (L3 to L5: Michael Zhang, S. Joe Qin, Xuemei Chen)**



**Photo 6. The 2018 Convention Gala (L to R: Mike Eng, John Chiang, Lan Saadatnejadi, Dongmei Huang)**

# From Worry to Joy: 2018-2019

By Dr. Hui Su (蘇慧), CESASC President (2018)

My relationship with CESASC began in 2012 when I attended CESASC 50<sup>th</sup> Anniversary Annual Convention. There are many colleagues and friends of mine who serve on the board of CESASC. Moreover, there are a lot of heavyweight speakers at CESASC annual conventions, especially bigshots in the fields of science and technology. The CESASC annual convention has become one of my must-go community events every year. In 2014, when a highly-respected JPL colleague Dr. Dankai Liu, then CESASC president, invited me to be the convener of the 2015 CESASC Technical Symposium, I nodded without hesitation and started my journey of serving CESASC. Before being elected as the President of CESASC in 2018, I had served as the Scholarship Committee Chair (2016), Secretary and Achievement Award Committee Chair (2017), and Vice President and Convention Chair (2018). I experienced the ups and downs of various positions, gained a lot of experience and lessons, and made many like-minded friends. However, when I took over the gavel in 2018, which symbolized authority and responsibility, from President Dongmei Huang, I still felt butterflies in my stomach, as I knew that the pressure of being the President was greater than the sum of the pressure from all the committees I did before.

The first challenge I faced was the shortfall in finance. Expenses for an annual convention range from \$30,000 to \$60,000, excluding scholarship funds sponsored by the CESASC Scholarship Foundation. When I took over, only about \$10,000 was left in CESASC's bank account. So, my top priority was to raise funds. In addition to keeping an eye on traditional sponsors and individuals, such as Southern California Edison (SCE) and the Anna & John J. Sie Foundation, it was imperative for me to open up new sources of donations. My friends, Dr. Gu Yu and Dr. Jonathan H. Jiang, are familiar with educational business and Dr. Jiang is an outstanding speaker and a passionate ambassador of science outreach. After the first board meeting in July 2018, we launched a program termed "Inspire" that aimed to deliver STEM speeches to high-school students. With the help of Dr. Ying Zhan and Ms. Jency Yan of Perceiver, Dr. Jiang gave non-stop lectures in five cities in China within seven days in November 2018 and pledged \$11,000 donations to CESASC. That was about 5 months ahead of the annual convention time. In December, SCE's \$5,000 sponsorship and Sie Foundation's \$2,500 came in as expected. The pressure of fund-raising eased a lot, allowing me to focus more on the organization and preparation of the convention. Later, Vice President Dr. Ping Zhou, former President Dr. Yue Rong, Board Director Dr. Bruce Liu and many others secured more gold- and silver-level sponsors. Together with the continuous donations from many friends of CESASC, the balance in the CESASC bank account exceeded \$40,000 before the annual convention in April 2019. I no longer had the nightmare of anxiously looking for sponsors.

The second challenge for me was to sell enough tickets for the convention dinner gala. The banquet venue always imposes a minimum number of seats. Although the Hilton Hotel in San Gabriel was more generous than other venues, at least 25 dinner tables were required. Every year, our sister's organizations would reserve tables. Considering award winners, speakers and our own members, 20 tables should not be a problem. However, I was determined to sell as many tickets as possible. Besides actively participating in various gatherings hosted by fellow associations in Southern California and staying in touch with new and old friends on WeChat, I pioneered the CESASC Christmas party to increase the visibility of CESASC and strengthen the bonds between CESASC members. Board Director Charles Wu used his rich connections in Irvine and located a spacious and beautiful villa community center for the party. Under the bright sunshine of Irvine, about 70 members and guests of CESASC tasted freshly-grilled Mexican tacos and drank California red wine donated by Dr. Ping Zhou's friends. I also invited a Chinese master in dough sculpture to perform on-site, which attracted a lot of guests. After the New Year, Dr. Yue Rong introduced Ms. Tina He, President of the Cultural Foundations of Zhendai He USA (CFZH), to me. With the careful planning of Dr. Ping Zhou, Ms. Tina He and her team member Mr. Xiaogang Wang, CESASC and CFZH jointly launched the Arts-Tech Poster Contest for the first time. This new program added a flavor of arts to the science and technology dominated CESASC annual conventions. I was especially grateful to Ms. Lei Wang for sending more than a dozen students of hers to participate in the poster contest. The

posters created by these children were displayed in the lobby of the Hilton Hotel and received wide acclaim from the guests. Throughout the year, Dr. Ping Zhou organized a series of technology salons, covering the topics of artificial intelligence, climate change, investment, biomedical advances, and so on. It significantly extended the reach of CESASC to early-career professionals. These new programs combined with our signature scholarship and award programs, technical symposium and business forum made the ticket sale progress smoothly. A few days before the convention, Dr. Yu Gu, then Convention Chair, found out that 30 tables were not enough. We had to change the banquet contract to 32, 34, and eventually 36 tables a day before the event. Seeing the full house on the evening of the gala, I felt relieved physically and mentally. The anxiety of the whole year finally disappeared.

The 2019 Annual Convention held on April 14, 2019 was a huge success. Not only did we end up with a surplus, but also we heard a lot of positive responses from the community. At the end of April 2019, a congratulatory letter arrived at my mailbox. It was from Mr. Albert Chang, Executive Director of the Chinese-American Elected Officials Association (CEO), informed me that CESASC was selected to receive the 2019 Community Partner of the Year Award. I was exhilarated. This honor was a commendation for the executive team who worked tirelessly with me from 2018 to 2019; it was an affirmation to CESASC for decades of dedication to *inherit, innovate and inspire*; it was a recognition of the hard work and accomplishments of thousands of CESASC board directors and volunteers. When I represented CESASC to receive this award at the CEO Award Dinner at the Workman & Temple Family Homestead Museum in the City of Industry on June 21, 2019, I was surrounded by younger energetic CESASC leaders and older experienced CESASC trailblazers. I was confident that the future of CESASC would be even brighter. Go CESASC!!!

## 轉憂為喜的 2018-2019

蘇慧博士 (Dr. Hui Su), CESASC 2018 年會長

我與科工會結緣始於 2012 年參加科工會五十華誕年會。在科工會服務的理事義工有很多是我熟悉的同事和朋友，加上科工會年會上重量級嘉賓特別是科技界的大佬雲集，參加科工會年會成了我每年必選的社區活動之一。到了 2014 年，當我敬重的 JPL 同事劉登凱 (Dankai Liu) 博士作為會長邀請我擔任 2015 年科工會年會日間科技研討會的召集人時，我不假思索就答應了，開啟了我為科工會服務的旅程。在 2018 年當選為科工會會長之前，我在理事會先後擔任過獎學金評選組長 (2016)，秘書長及成就獎評選組長 (2017)，副會長及年會主席 (2018)，嘗試了各個崗位的酸甜苦辣，收穫了許多經驗得失，結交了不少志同道合的朋友。可是，當我從黃冬梅 (Dongmei Huang) 會長手中接過了象徵著權威和責任的木槌時，心裡還是七上八下，忐忑不安，因為我知道作為會長的壓力比我以前做過的所有小組長的壓力加起來都大太多了。

我面臨的第一困難是財務危機。每年年會的支出在三萬至六萬之間，這不包括由科工會基金會贊助的獎學金。我接手的時候，科工會的銀行帳戶裡只有一萬多餘額了。於是，我整天腦子裡就在琢磨怎麼籌款。除了盯緊傳統的贊助機構和個人，比如愛迪生電力公司和謝氏基金會，開源創收勢在必行。我的黃金搭檔古瑜博士和蔣紅濤博士對中學生教育市場十分熟悉，蔣博士更是科普講座的大咖，我們便推出了一個以“激勵” (Inspire) 為品牌的序列科技講座。在戰穎 (Ying Zhan) 博士和普思的顏琛 (Jency Yan) 女士牽線搭橋幫助下，蔣博士在七天之內，馬不停蹄地在中國五個城市之間授課開講，為科工會籌得了 \$11000 捐贈。這時距離年會還有 5 個月，我心裡的壓力疏緩了許多，可以把更多的精力放在年會的組織籌備工作中。後來，周平 (Ping Zhou) 副會長，容躍 (YR) 前會長，劉玉發 (Bruce Liu) 理事也拉來了大額贊助，加上許多科工會老朋友的持續捐贈，臨近四月年會召開之前，銀行帳戶裡已遠超四萬美金了，我便再也沒有做要去找人贊助的惡夢了。

做會長第二頭疼的是賣年會門票。年會晚宴訂單總是有規定的最少席位，聖蓋博的希爾頓酒店算是比較寬容，25 桌也是少不了的。雖然科工會每年都有互相往來的兄弟姐妹協會包桌加上獲獎者，20 桌應該是有保障的，但賣出盡量多的晚宴票還是我的一大心病。除了經常參加各個社團的活動，在微信裡與新朋老友時



時互動，我開創了科工會聖誕趴的先河，為科工會增加影響力和積攢人氣。律師吳志鴻（Charles Wu）理事動用了他在爾灣的深厚資源，為我們租到了寬敞優美的別墅小區活動中心。在爾灣明媚的陽光下，近 70 名科工會的會員及來賓品嚐著現場烤製的墨西哥美食和周平副會長籌來的加州紅酒，觥籌交錯，笑語歡顏，度過了美好的一天。我還請到了一位國內面塑大師給大家表演了捏面人，宣揚了這個奇特的中國非物質文化遺產。新年過後，容躍博士介紹了何欣晏（Tina He）女士與我認識。在周平博士，何女士和畫家王小岡（Xiaogang Wang）的精心籌劃下，科工會第一次與何振岱文化研究基金會合作創辦了藝術與科技海報大賽，使得以科技和工程見長的科工會多了些文藝的風彩。我特別感謝汪蕾（Lei Wang）老師送來了十幾個學生的畫作參賽，這些孩子創作的海報在年會上展出，驚艷了賓客。周平副會長在這一年中也創辦了一系列科技沙龍，內容涵蓋了人工智能，氣候變化，醫療投資等，吸引了許多思維活躍的年輕人。這些新人新節目加上傳統項目的基本盤使得年會門票的銷售進展順利。到了年會前幾天，年會主席古瑜和我發現 30 桌已經遠遠不夠。32，34，一直加到 36 桌。看到年會當天座無虛席，我身心俱輕，這一年的愁雲頓消了。

2019 年年會取得了巨大成功。我們不僅扭虧為盈，還在社區獲得了廣泛的好評。四月底，當我收到美國華裔民選官員協會（Chinese-American Elected Officials Association - CEO）的執行理事張培駿先生寄來的賀信通知科工會榮獲 2019 年年度社區合作夥伴獎的時候，我真是百感交集，激動不已。這份殊榮，是對 2018-2019 年與我並肩作戰的團隊的嘉獎，更是對科工會幾十年傳承激勵創新服務社區的肯定，是對成百上千的科工會理事義工熱忱付出的點贊。當我代表科工會領取這個大獎時，看著更加年輕朝氣蓬勃的新的領導團隊和在後面鼎力相助的科工前輩們，我對科工會的未來充滿了希望。

以下是十一張照片集錦。



**Photo 1. First Board Executive Meeting in Hui's Home (7/28/2018)**



**Photo 2. Mid-autumn Presidents' Gathering, Lomita (9/9/2018)**



**Photos 3 & 4. Dr. Jonathan Jiang Gave STEM Lectures in Shenzhen, China (11/9/2018)**





**Photos 5 & 6. CESASC Holiday Party in Beacon Park Clubhouse, Irvine Great Park: (L) Taking Group Picture; (R) Dough Sculpture Master Showcase (12/1/2018)**



**Photo 7. PlusYou & CESASC Artificial Intelligence Tech Salon, Pasadena (8/4/2018)**



**Photo 8. The 57<sup>th</sup> CESASC Annual Convention: CESASC-CFZH Arts-Tech Poster Contest Winners (4/14/2019)**



**Photos 9 & 10. The 57<sup>th</sup> CESASC Annual Convention, San Gabriel Hilton: (L) CESASC Scholarship Winners; (R) CESASC Presidents (4/14/2019)**



**Photo 11. CESASC Received the Community Partner of the Year Award from CEO, Suellen Cheng and Munson Kwok Received the Lifetime Achievement Award from CEO (6/21/2019)**

# The First-Ever CESASC Annual Convention on Virtual Platform

By Dr. Ping Zhou (周平), CESASC President (2019)

The COVID-19 pandemic in 2020 changed everything we originally planned. However, with the hard-work and dedication from our volunteers, CESASC thrived with enhanced social-media reach, expanded scholarship program, larger STEM contest, and more technical events. On August 29, 2020, the 58<sup>th</sup> CESASC Annual Convention became the first time ever convention held on virtual platform since the organization was founded in 1962.

An inspirational theme “Science Meets Art” was chosen to explore the intersections of two seemingly different disciplines. And two futuristic keynote speeches, “The Future of Hollywood” and “Space Travel”, were given by the two-times Oscar Best Director, one of the most successful Chinese-American – Director Ang Lee (李安導演), and Ms. Monica Jan, Sr. Director of Virgin Orbit, respectively. Being considered as “the most powerful event in 2020 among the Asian community in Southern California,” the virtual event brought in more than 500 attendees including many former CESASC leaders and friends who otherwise, could miss a physical one due to reasons like age, distance and so on. This turned out as the last annual convention CESASC founder Mr. Henry Chi attended, who passed away a month later.



Photo 1. CESASC and SCCAEP Participated in Beach Cleanup (10/2018)



Photo 2. Before Pandemic, CESASC held a Big Equestrian Estate Holiday Party in Shadow Hills (12/15/2019)



# The First Face-to-Face Party after 18 Months (疫情後首次線下聚會)

By Dr. Charley Lu (盧春雨), CESASC President (2020)

Both the 58<sup>th</sup> and 59<sup>th</sup> CESASC Annual Conventions were held online due to the Covid-19 pandemic induced gathering constraint. CESASC core community members haven't seen each other since the Christmas party in 2019. We chose "Surviving and Thriving" as the theme of the 59<sup>th</sup> Annual Convention in 2021. The journal cover fully reflects this spirit of thriving in spring after the cold winter (see photo on the right). We were determined to host the first face-to-face gathering one month after the government's lifting of the outdoor face mask mandate. The gathering was at the beautiful Whittier Narrows State Park on June 19, 2021 (Saturday). We ordered a Polo shirt with CESASC logo for all the participants. It happened to be the first public gathering for many of them in more than a year. The spirit was very high with the Covid-19 difficulties behind us, and the exciting new life starting to unfold in the near future. The smiles on everyone's face said it all, as shown in photo on the bottom.

由於 Covid-19 疫情原因不能室內聚會，第 58 屆年會和第 59 屆年會都在線上舉行。2021 年第 59 屆年會的主題特別設定為“頑強生存，蓬勃成長”（Surviving and Thriving），年刊封面也是顯示春天來了萬物復甦的勃勃生機（見右邊照片）。自從 2019 年聖誕前小聚，科工會的核心成員已經 18 個月沒有面對面聚會了。2021 年 5 月，政府取消室外聚會口罩強制。6 月中旬（19 日），我們在美麗的惠提爾峽谷州立公園歡聚，每人都穿上了繡有科工會圖示的定製短袖襯衫，為第 59 屆科工會團隊的服務畫上圓滿句號，並完成與第 60 屆團隊的正式交接。很多人都是疫情以來第一次參加線下聚會，久別重逢，十分激動。一年多的疫情逐漸遠去，重新開始對未來生活的美好憧憬，每個人的臉上都洋溢著青春與歡笑，正如下面照片所示。感謝攝影師把這美好一刻定格下來！



# Growing with CESASC

By Dr. Yu Gu (古瑜), CESASC Vice President (2021)

My story with CESASC started in 2016 when Dr. Hui Su (蘇慧), the former CESASC president and the chair of the CESASC Scholarship Committee at that time, reached out to me asking me to serve as one of the members of the CESASC Scholarship Committee. Over the years, the CESASC scholarship has been an important and prestigious program that offers prestigious scholarships to encourage young students to develop their interests and pursue their careers in the fields of science, engineering, and technology. At that time, I was a research scientist at University of California, Los Angeles (UCLA) and used my expertise to help judge the applications in physical sciences, especially those in the environmental and earth and space sciences. Reviewing many outstanding applications for this scholarship, I was deeply impressed by how CESASC could attract numerous young talents in the science and engineering fields.

After my volunteer experience with the CESASC Scholarship, I began to learn the history of CESASC. The more I learn, the more I marvel at the tremendous contribution CESASC has made to the Chinese-American community since its inception in 1962, which is evident from CESASC's achievement award recipients over the years, including quite a few Nobel laureates and academicians of the Academy of Sciences and Engineering. I then became a CESASC Board Director in 2017, served as the CESASC Treasurer during 2018-2021, and was elected as the CESASC Vice President in 2021. During the past few years with CESASC, I have been working closely with CESASC Presidents and Vice Presidents, Board Directors, and volunteers. I was in charge of the 2019 CESASC Annual Convention as a Convention Chair and served as the CESASC Scholarship Committee Chair in both 2018 and 2020. Through these activities and experiences, I have well learned CESASC's mission and appreciate very much what CESASC has done for the Asian American Community for 60 years. I have also witnessed the tremendous time and efforts the former and current CESASC Board members and Committee members have dedicated to the CESASC members and the community. Inspired by them, I have made my own contribution to further raise the visibility of CESASC, promote the interests of CESASC members, and give back to our community.

When I worked as the Convention Chair for the CESASC 57<sup>th</sup> Annual Convention in 2019, we started to contact various hotels in April 2018 to find the right place for the event. We had numerous meetings to discuss every detail for the convention, including the theme of the convention, invitation of keynote speakers, nomination of CESASC achievement award candidates, fundraising for the event, CESASC Scholarship, STEM Essay Contest, and Art-Tech Poster Contest announcements, arrangement for press conference, detailed daytime and evening programs, etc. After lengthy discussion, the convention theme of 2019 was determined to be "Towards a Sustainable Tomorrow," featuring innovative technologies for better sustainability. The theme was chosen for that year because we realized that over the coming decades, environmental challenges could substantially disrupt the economy, human health, and quality of life in Los Angeles. To ensure a thriving future, our response to the challenges ahead must be sustainable - we need to utilize energy and water resources while protecting and enhancing ecosystems and public health. It is time to tackle sustainability in Los Angeles and all over the world through innovations in science, technology, and policy. Since achieving a sustainable future requires unprecedented collaboration, at the CESASC 57<sup>th</sup> Annual Convention, we called to work together towards a sustainable tomorrow, through our daytime Technical Symposium where cutting-edge technology and science advancements were disseminated, the Business Innovation Forum to learn how creativity met with practicality, and the STEM workshop where future and experienced scientists and engineers exchanged ideas about future technologies that help human lives. In the evening, we held the CESASC's trademark Award Program which featured inspiring keynote speeches that told us the future of energy and human's exploration beyond the Earth. We also heard the

stories of extraordinary achievements from CESASC award recipients, and cheered for our scholarship, STEM essay contest, and Arts-Tech Poster contest winners.

My volunteer experience with CESASC has greatly improved my leadership skills. Parallel to my path at CESASC, my career has also developed. In 2017, I became an Assistant Director of the Joint Institute for Regional Earth System Science and Engineering (JIFRESSE), a scientific collaboration between UCLA and NASA's Jet Propulsion Laboratory (JPL) to improve understanding and to develop future projections about global climate change and its effect on regional climates and environments. I actively and effectively assisted the Director of the JIFRESSE with the operations of many areas of the Institute's activities in collaboration with JPL. In 2020, I became an Associate Director of Operations at JIFRESSE, and have been an Adjunct Professor of the UCLA Department of Atmospheric and Oceanic Sciences since 2019. I played a key role in the initiation of a Summer Internship Program at JIFRESSE, which is aimed to provide the UCLA undergraduate students an opportunity to conduct cutting-edge research under the guidance of experienced mentors at JPL and UCLA and create a collaborative community for both the students and the mentors. Meanwhile, I have served on my share of national and international committees and editorships. I am currently an Editor of Geophysical Research Letters and an Associate Editor of Journal of Geophysical Research and Frontiers in Environmental Science. I have also taken a leadership role in organizing and convening/chairing many national and international conferences, such as the annual meetings held by the American Geophysical Union and the American Meteorological Society.

In September 2021, I was appointed a Program Director of the National Science Foundation in the Division of Atmospheric and Geospace Sciences. Following the government rules, I stepped down from all of my non-profit organization roles. After I complete my service with the government, I hope to contribute more of my time and effort to CESASC to help provide career and educational advancement opportunities, technical exchange, and fellowship and community services. I really appreciate the opportunities CESASC has provided me and would like to call for more people in the science and engineer fields to contribute to our community through services at CESASC and other non-profit organizations and grow your own career through these experiences.

As we celebrate CESASC's 60<sup>th</sup> birthday together, we hope that CESASC continues to develop and thrive!



**Photo 1. Press Conference for the 57<sup>th</sup> CESASC Annual Convention (3/13/2019)**



**Photo 2. The 57<sup>th</sup> CESASC Annual Convention at San Gabriel Hilton (4/14/2019)**



# CESASC 2022 Mother's Day Gathering

By Dr. Jiachen Zhang (張佳辰), CESASC Board Member (2021)

On May 1, 2022 (Sunday), I was very excited to attend the CESASC Mother's Day gathering, organized by Mrs. Shirley Ho, 2004 CESASC President. As the warmup of CESASC's 60th convention, this gathering invited all past presidents and current board members. Dr. Tung Po Lin, the 1973 CESASC President and Professor Emeritus at CSUN, highly praised the achievements of CESASC in the past 60 years and encouraged the young generations to carry forward the legacy of CESASC. In addition, the current Chairman Dr. Charley Lu, the President Dr. Bruce Liu, the Editor-in-Chief of the 60th Anniversary Special Edition Journal Dr. Liping Yan, the Chairman of the CESASC Scholarship Foundation Shan Lee, the President Dr. Eastwood Im, and the Treasurer Dr. Munson Kwok all spoke about the preparations for CESASC's 60th Anniversary Annual Convention.

CESASC is such a warm family and dedicated group of engineers and scientist! I was surprised to learn that there were also attendees joining us from Arizona and Taiwan. All the attendees unanimously praised the mother of CESASC: Mrs. Lois Chi, the wife of the founding President Henry Chi. Although she passed away a few years ago, her contribution to CESASC for decades has brought us a lot of memories that we will never forget. Shirley produced a slideshow which consisted of many precious photos spanning decades. I was impressed by the performance of the senior, middle, and young generations, including the dances of Benjamin Kwan, M.D. (the husband of the 1991 CESASC President Catherine Kwan), the dance of the 2018 CESASC President Dr. Hui Su, as well as the piano solo concerto of the talented nine-year-old pianist Lilian Guo (daughter of the current Vice President Terry Guo).

I was amazed by the age span of the CESASC community, which clearly demonstrated the long history of CESASC, the engagement of CESASC members, and the leadership role CESASC played in the Chinese American community over the years. The theme of the 60th anniversary "60-year Legacy; Inherit, Inspire, Innovate" is the message I took away from the Mother's Day event and encapsulated my own journey at CESASC as well.

**Inherit** - My journey with CESASC started when I came to the US to pursue a PhD at USC. I attended a very impressive CESASC annual convention. I still remember that on the career development panel, President Dr. Yutao He was very humorous, and Dr. Dankai Liu had so much energy. I remember seeing many outstanding Chinese Americans speak out and share their voices. I also remember the feeling of being supported by this community, especially during a critical period in my life when I was adapting to a new environment a long way from home. The community that CESASC developed allowed me to inherit its spirit.

**Inspire** - This same feeling occurred in the past two years, which was a tough period for many of us - the pandemic created so many restrictions and uncertainties in our lives. I also experienced the loss of my PhD advisor and a close friend, unexpectedly...Amid this hardship, I appreciate the inspiration I received at CESASC's Christmas Party in 2021. I shared the story of my PhD advisor and how that motivated me to seek a tenure-track faculty position, although it is very competitive and challenging. Dr. Charley Lu shared his insights on persistence and courage. Dr. Jonathan Jiang and Dr. Yue Rong shared the touching stories of their advisors/mentors. Everyone showed great kindness and shared their

inspirations. I felt that I was not alone; I was inspired to pursue my dream regardless of the challenges, as many CESASC members did.

**Innovate** - When I was approached as a candidate for the board of directors at CESASC a year ago, I was of course interested in this great opportunity. But beyond that, I also felt a sense of duty. I know how much attending CESASC conferences, receiving its scholarship, and later volunteering as an event coordinator meant to me and helped my career and personal development. Now at CESASC, I am chairing the Entrepreneurship and Innovation Committee and I am hosting events to help Chinese Americans start up their businesses in the U.S. and translate their technology into products. I want to pass along the inspiration I received over the years to other people in the CESASC community.

Like many events CESASC held, this Mother's Day gathering was very fruitful, inspirational, and innovative. Being a mother while pursuing a successful career is difficult, but I am fortunate to have role models like Shirley and Hui to inspire me moving forward. Shirley and Hui are so elegant, confident, supportive, and brilliant. I very much admire Shirley's commitment to CESASC. Since the 50th anniversary of CESASC, Shirley has held reunions for the senior members of CESASC every year. Due to the pandemic, Shirley was not sure whether she could attend the annual convention this year on June 26, but she decided to contribute to the anniversary in her own creative way – gathering all the key members of CESASC, taking a picture of them, and including the picture in the 60<sup>th</sup> Journal (displaying that picture on the day of our annual convention). BTW June 26 is also Shirley's birthday. Happy 75th birthday to Shirley!

Happy 60th birthday to CESASC! I look forward to attending the 100th birthday of CESASC ☺!



*Zoom Photo (Taken by Hui Su)*

Names (from 1-Top Row to 5-Bottom Row, Names Provided by Shirley Ho)

1. Philip Chen, Hui Su, Shirley Ho, Wensheng Zhou, Charley Lu, Mary & Kung Yao
2. Tung Po Lin, Benjamin Kwan, George Chao, Eastwood Im, Yutao He, Sikun Lan
3. Yue Rong, Shan Lee, Sheng-Rong Lin, Liping Yan, Suellen Cheng, Elizabeth Kay-Im
4. Dongmei Huang, Bruce Liu, Wei Kao, Jiachen Zhang, Munson Kwok, Chih-Ming Ho
5. David K. Lee, Cc Yu, Nancy Huang

## **Achievements of Dr. Lewis Li-Tang Au(區鯉騰博士), CESASC President (1969)**

**By Shirley Ho (何張翠姝), CESASC President (2004)**

**Note:** Dr. Lewis Li-Tang Au (1914 - 1985), former Dean of the Faculty of Engineering of the National University of Singapore, was one of the most senior presidents of CESASC. In the autumn of 2018, when Shirley Ho visited the Faculty of Engineering, National University of Singapore, she was impressed by Dr. Au's photo in the showcase of the entry hall. With excitement, Shirley began to collect material and wrote about Dr. Au's achievements. By publishing Shirley's write-up, we wish to celebrate Dr. Au's successful life and share his achievements with all of us. Dr. Au will be our role model forever!



*Photo of Dr. Lewis Li-Tang Au*

Born in China, Professor Au received his B.S & C.E degrees from the National Sun Yat Sun University and served as an Associate Professor in his Alma Mater before winning a Government scholarship to study in USA.

After he received his M.S and Ph.D. degrees from the University of Minnesota in 1952, he worked closely with well-known consulting engineers in New York City. He then served as a Research Specialist with the Space and Information Division of North American Aviation, Downey, California, and a Senior Engineer-Scientist with McDonnell Douglas Corporation, Long Beach, California.

In April 1971, he accepted the appointment of the University of Singapore as the Head and Professor of the Civil Engineering Department and has been named as the Dean of the Faculty of Engineering since May 1972. Besides teaching and administrative duties, he has initiated three publications for the Faculty such as the International Information, Engineering News, and Engineering Journal.

Professor Au's practical experiences covered highways, railroads, bridges, buildings, power plants, aircraft, space vehicles as well as structural analysis and dynamic studies. He further served as a consultant for the Port of Singapore Authority, University of Singapore Development Unit, and Public Works Department of the Ministry of Law and National Development, Singapore.

He received a gold medal of Thesis Award from the National Sun Yat Sen University. In 1969, he was named the President of the Chinese-American Engineers and Scientists Association of Southern California (CESASC) and was the CESASC Achievement Award recipient in 1975. He further served as an overall Co-Chairman and Group Chairman of the Third Seminar on "Modern Engineering & Technology" Taiwan, 1970, and the Organizer and Session Chairman of Regional Conferences on Tall Buildings held in Singapore and Bangkok, Thailand, 1974. He was also a reviewer for "Applied Mechanics Review" of ASME.

He was a Fellow of the American Society of Civil Engineers, Associate Fellow of the American Institute of Aeronautics and Astronautics, Member of the Institution of Engineers, Singapore and Professional Engineers, Singapore. He has published more than 30 technical articles on nuclear power plants, blast loading, shell dynamics, thermal shocks, vibrations, transportation engineering, composite materials and tall buildings.



# Ms. Li Jean Wang's Contribution to CESASC

By CESASC Board of Directors and Advisors

Ms. Li Jean Wang (王麗真, 1939. 7. 27 – 2021. 4. 13) was a lifetime member of CESASC. She had actively participated in CESASC programs since 1986. In 1989, as president of Peking University Alumni Association of Southern California (PUAASC), together with CESASC, she organized a successful welcome banquet in honor of President of Peking University, Professor Ding Shisun (丁石孫). It was the first joint event between CESASC and an organization whose members are from Mainland China. In 1994 and 2002, Ms. Wang served as a Co-Chair of CESASC Conference Committee. She also served as a member of Nomination Committee and Bylaws Committee from 2005 to 2008. Ms. Wang had dedicated herself to promote the communication and establish network between CESASC and various research institutes and associations in Mainland China. With her effective outreach ability, she persistently encouraged scientists and engineers from Mainland China to join CESASC. In 2002 and 2012, she received the CESASC Appreciation Award.

Her tireless efforts serving CESASC set a good example for all of us. Ms. Li Jean Wang will be missed forever!



Photo 1. Ms. Li Jean Wang (王麗真, L1), Dr. Jin Wu (吳京, L2), Mr. Dinghuan Shi (石定襄, L3), Dr. Jiin-Jen Lee (R2) and Mrs. Sage Lee (R1) at the 2002 Pre-CESASC Convention Dinner (3/29/2002)



Photo 2. Ms. Li Jean Wang (王麗真, R11 of Standing Row) at CESASC Family 2012 Chinese New Year Gathering Event (1/15/2012, Shanghai Restaurant in San Gabriel)



Photo 3. Ms. Li Jean Wang (王麗真, R3) Received CESASC Appreciation Award with Ms. Cc Yu (L2), Dr. Jiin-Jen Lee (L3), and Ms. Suellen Cheng (R2) at CESASC 50th Anniversary Gala (4/22/2012, Millennium Biltmore Hotel in Los Angeles)



Photo 4. Ms. Li Jean Wang (王麗真, R2) with CESASC Members Attended a Gathering for Farewell of Outgoing S&T Consul Mr. Jian Zhang (張健, R5) and Welcome of New S&T Consul Mr. Xianzhi Lu (呂先志, L7) (1/31/2015, Caltech Campus in Pasadena)

# 周培正老先生和 CESASC 的過往 - 緬懷老爸豐富多彩的書法生命

周文生 (Dr. Wensheng Zhou), CESASC 2009 年會長

時光飛逝，今年是南加州中華科工學會（CESASC）自成立以來的第一個甲子誕辰。在過往的崢嶸歲月裡，有一個老人，以他的書法曾經和CESASC這個大家庭融合過，他就是我敬愛的父親 - 周培正老先生（1929. 11. 16 - 2021. 12. 17）。

我的父親在國內是退休醫生，雖然和科技沒有太直接的關係，但是他的興趣廣泛，尤其喜歡讀書看報，因此對科技方面的快速進步也並不陌生。他平時喜歡武術和強身健體，書法和藝術也是他最大的愛好之一，他也因此通過書法和南加州的很多朋友們建立了友誼。我2000年博士畢業後開始工作，陸續在南加社區中組織和參加一些科技社團方面的義工。彼時，我的父母親在九十年代初從國內醫院退休，從九十年代後開始每過一兩年就會來美國隨我們一起生活一段時間，盡他們的所能幫助我們照顧孩子和處理一些他們力所能及的家務工作，大大減輕了我們在繁忙的工作之餘照顧二個年幼孩子的負擔，使得我們有餘力能夠參加到南加州的一些社區活動中來。

2000年左右，我和一些IT和生物科技方面的朋友成立了旅美科技協會洛杉磯分會，因此會經常組織一些科技方面的講座和聚會，也因此有緣認識了南加州中華科工學會的一些老前輩們。2004年的春天，我第一次作為CESASC的年會主席安排科技演講的會議和為年會爭取贊助。CESASC年會歷年來的一大亮點是通過禮品拍賣來爭取贊助和增強社團成員之間的互動。

父親自1996年第一次到美國，前後二十多年，中美之間來回近十來回合，他的書法就多次捐給南加州科工學會的年會拍賣會作為禮品參與競拍，幫助南加州中華科工學會的年會和基金會進行籌款，記得第一次拍賣出大約250美金的書法作品（見右邊照片），他還很得意和自豪，2016年的二幅書法作品被拍出每幅1000美金，足見南加華人朋友們對父親書法作品的厚愛。



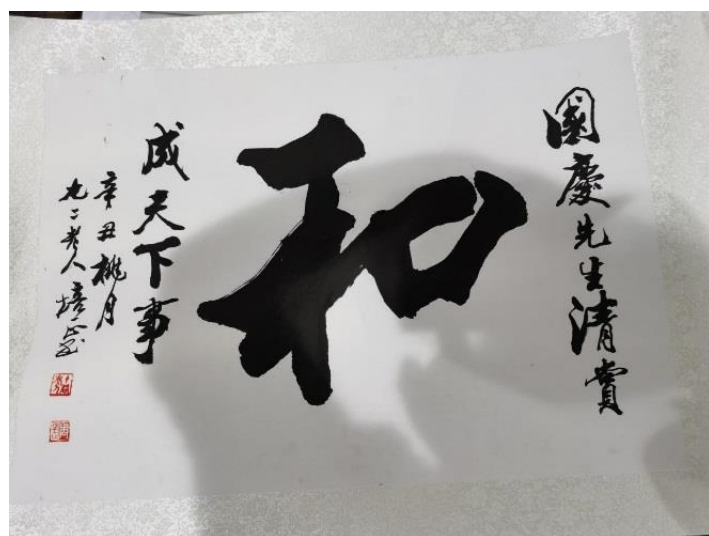
父親積極推廣中國傳統文化，傳承中華書法藝術，擅長楷行草、兼攻篆隸。運筆雄勁奇崛、蒼勁有力，作品在國內外各種展出中屢屢獲獎，作品曾入選《今日中國書法美術作品集》、《共和國脊梁2008年海內外傑出人物作品集》等20餘種書畫作品集，多件作品被美國加州州立大學長堤分校、香港大學圖書館等永久收藏。晚年的父親總是不服老，老驥伏櫪，尤以志在千里為理想，他胸懷天下、心系國家，積極參加抗日戰爭勝利60週年書畫大賽並獲一等獎，在紅軍長征勝利70週年書畫展上獲銀獎。父親熱心公益、無私奉獻，同時擔任了浦東新區梅園街道、黃浦區城隍廟街道、楊浦區控江街道、虹口區嘉興街道老年書法社的指導老師，高質量的完成街道社區和書畫院佈置的每項創作任務，曾多次被上海當地電視台採訪報導。

父親的七十大壽、八十大壽、九十大壽的慶祝，他最得意的還是他的書法展，每十年把他寫得比較得意的書法作品展示給遠親近友，把他的書法同好，各種忘年交，通過書法這個媒介聚齊在一起，一起慶祝他生命中的里程碑。

父親雖已駕鶴西去，但他的書法作品永遠會被CESASC的會員們所稱道和珍藏。



附：下面這些照片展現出周培正老先生生前之風貌及書法作品之魅力。





## **In Loving Memory of 2010 CESASC President – Yiu Man So (蘇耀民, April 19, 1955 – March 2, 2022)**

Yiu Man, it was such a great pleasure and privilege to know you, to sense your enthusiasm, your ambition for always doing it just a little bit better, your ability to always be looking ahead into the future with leadership. You really cared for those up-and-coming young students in STEM in those CESASC programs and projects. You literally created them. It was always a joy to talk with you about it. For a whole community, and for CESASC, thank you!!!

- Munson Kwok, 1998 CESASC President

It was truly a pleasure serving at CESESC with Yiu Man for many years. He was instrumental to CESASC STEM Program. He was a great leader and a remarkable friend. He will be deeply missed.

- Liping Yan, 2013 CESASC President

Thank you Yiu Man, for being a great STEM mentor. I enjoyed very much for us working together on the CESASC STEM projects. Thank you for being my friend. I will miss you!

- Dankai Liu, 2014 CESASC President

Yiuman has been very inspiring mentor for me as well as our Perceiver students. We deeply appreciate for your wisdom, very patient guidance as well as great friendship. Thank you Yiuman and we will always miss you!!!

- Deep Respect from Jency and Perceiver Team

Yiuman, thank you for coming to our Chinese School and gave an wonderful seminar on sciences years ago. Because of you, my daughter had adventured into the Science project outside of her school for the first time. Your enthusiasm, dedication, patience, and wisdom in guiding young people into science were truly inspirational and set a good example for the rest of us. We will miss you and may you rest in God's Grace and peace!

- Yiwen Fang, a Parent



# Yiu Man So (蘇耀民, 1955. 4. 19 – 2022. 3. 2) and CESASC

By Shirley Ho (何張翠姝), CESASC President (2004)

Let's trace back to June 6, 2010 when Yiu Man received the president's gavel (Photo 1) from Wensheng Zhou, 2009 President, and Wei Kao, 2009 Chairman of the Board. While Yiu Man served as CESASC 2010 President, I was very delighted to be his partner, CESASC Board Chair.

Through his vision and leadership, Yiu Man had devoted himself to promoting CESASC Leadership Development Series. The seminar (Photo 2) presented by Professor Jiin-Jen Lee of USC on December 4, 2010 was very well received by the community. Additionally, Yiu Man's efforts enabled CESASC to collaborate with local schools to present a Robot Show during the 2011 KSCI/TV 18 Lunar New Year Festival on January 30, 2011 (Photo 3). This is the first time, CESASC worked with a medium to benefit the community-at-large.

In Fall 2010, Yiu Man invited several CESASC friends to attend an Award Gala (Photo 4) presented by the National Association of Asian-American Professional Orange County (NAAAP) on October 16, 2010. It was a great pleasure for us not only to meet many young Asian-American professionals but also to learn their new concepts and perspective of organizing events.

Yiu Man was not only an outstanding Master of Ceremonies, but also a great photographer. For sponsoring the Silent Auction at CESASC 2010 Annual Convention on March 28, 2010, he donated his photography work "Joy and Prosperity" (Photo 5). Through the precious footage of "Fishes Playing in The Water," Yiu Man extended his New Year's wishes to all convention guests. His wonderful metaphor won him many compliments as well.

Although Yiu Man is no longer with us, his accomplishments will continue to guide and inspire CESASC!



Photo 1. L to R: Shirley Ho, Yiu Man So, Wei Kao, Wensheng Zhou



Photo 2. L to R: Allison Tong, Yutao He, Liping Yan, Yiu Man So, Jiin-Jen Lee, Shirley Ho, Jason Wen, Fonda Wu

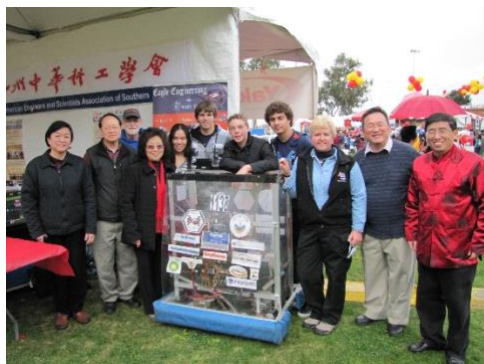


Photo 3. L2: Philip Chen, L4: Shirley Ho, L5: Allison Tong, R2: Yiu Man So, R1: Jason Wen



Photo 4. L1: David Lee, L3: Shirley Ho, R2: Yiu Man So, R1: Jason Wen



Photo 5. Yiu Man So's Photography Work "Joy and Prosperity"

# Chinese-American Engineers and Scientists Association of Southern California

## 南加州中華科工學會 (CESASC)

[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 History maker's Awards Ceremony. In 2019, CESASC was recognized as the recipient of the *2019 Community Partner of the Year* by Chinese-American Elected Officials (CEO).

### CESASC Achievement Awards

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

### Technical Symposiums

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

### Programs (Scholarship, STEM, 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. In 2020, CESASC and UCA(United Chinese American) jointly launched "Creativity again COVID-19" Multimedia Art Contest. Starting in 2020, CESASC and Lisa Lu Foundation jointly launched CESASC Lisa Lu Scholarship for students in arts. Starting in 2021, CESASC JHJ Prize for Fundamental Science was launched thanks to the generous donation by Dr. Jonathan H. Jiang. In 2022, CESASC-Zhendai He Scholarship was launched jointly by CESASC and the Cultural Foundations of Zhendai He USA (CFZH).

### 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.



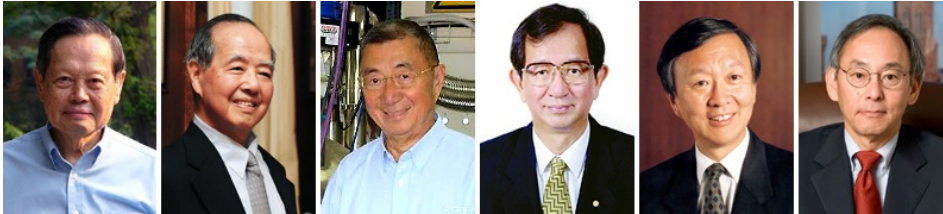
# CESASC Officers and Directors 1962-2022

| 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                                      |
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**CONGRATULATE** the “Lisa Lu Scholarship” recipient, Jiawen Han. You impressed me with your enthusiasm, persistence towards excellence and your technical knowledge and passion for film.