WELCOME

Welcome to CAST-USA's 32nd Anniversary Annual Conference and Global Innovation Summit 2024!



We are thrilled to gather here today to celebrate three decades of excellence, collaboration, and innovation within the Chinese-American scholarly and professional community. Since its establishment in 1992, the Chinese Association for Science and Technology, USA (CAST-USA) has remained steadfast in its commitment to fostering unity, collaboration, and communication among scholars and professionals across the United States.

At CAST-USA, our mission transcends boundaries and industries, uniting over 10,000 members from diverse fields, including technology, culture, education, law, finance, and the humanities. Our members are a driving force behind scientific research, technological advancements, and cultural preservation in Fortune 500 corporations, esteemed American companies, universities, and research institutions. With sixteen local chapters and professional associations throughout the United States, as well as offices in major global cities, we are a vast and interconnected community committed to progress and mutual understanding.

CAST-USA has always been at the forefront of academic excellence. Our organization organizes numerous academic seminars and activities, providing a vibrant platform for members to engage in enriching exchanges and offer mutual support. Through publications like the "Overseas Scholars" magazine and newsletters, we disseminate critical insights into our academic pursuits, the latest developments in science and technology, industry trends, invaluable career and investment opportunities.

This year's conference embodies our commitment to fostering intellectual growth and collaboration. We have invited renowned figures to share their expertise and insights, sparking discussions on vital academic and societal topics. As we gather here, we reaffirm our dedication to establishing connections and partnerships with other professional associations in the United States, promoting the free exchange of ideas and knowledge within the bounds of ethical principles and intellectual property protection.

CAST-USA is not only an advocate for professional excellence but also a champion of community engagement. Our local chapters actively participate in community activities, building strong relationships with organizations in their respective areas. We understand that innovation doesn't happen in isolation; it thrives when we come together and leverage our collective strengths.

As we embark on this exciting journey during our 32nd Anniversary Annual Conference and Global Innovation Summit, let us continue to celebrate our shared successes, embrace diversity, and seek new avenues for collaboration and growth. Together, we will shape the future of science, technology, culture, and education, contributing to the advancement of global knowledge and progress.

Thank you for being a part of CAST-USA's legacy and for joining us in shaping an even brighter future. Welcome to the CAST-USA family and enjoy the conference!

AGENDA

San Diego, CA October 12, 2024

8:00-8:40 **Check-in & Networking**

8:40-9:00 **Opening Ceremony**

Welcome Remark at Opening Ceremony
Dr. Xiaoyan Vicky Huang, President of CAST-USA

Invited Official Remarks

9:00-12:00 **Keynote Speeches**

Host by Conference Co-Chair: Dr. Deli Wang

Speaker 1:
Dr. Kurt Wuthrich (9:00)
Topic: Lessons from Six Decades in Scientific Research Leading to a Nobel Prize

Speaker 2:
Dr. Peidong Yang (9:40)
Professor, University of California Berkeley Member, American Academy of Arts and Sciences
Topic: 30 Years of Semiconductor Nanowire Research

Speaker 3:
Dr. Yi Cui (10:20)
Professor, Stanford University Member, National Academy of Sciences
Topic: Reinventing Batteries

Speaker 4:
Dr. Thomas Hou (11:00)
Professor, California Institute of Technology Member, National Academy of Sciences
Topic: Recent progress on the Clay Millennium Problem about the Navier-Stokes equations

Speaker 5:

Dr. Shu Chien (11:40)

Professor Emeritus, BENG, University of California San Diego

Member, National Academy of Engineering, Institute of Medicine, National Academy of Sciences, and American Academy of Arts and Sciences.

Topic: Life and Science

12:00-12:20 **CAST-USA Award Ceremony**

12:20-12:30 **Group Photo**

12:30-13:30 **Lunch**

13:30-17:30 **Special Forums & Competition**

Forum I: Advances in Artificial Intelligence Research (Ball Room A)
Host Chair: Dr. Yu Bai, Chair of IEEE-IIKI
Speakers:

Dr. Rose Yu (13:30)
Topic: Physics-Guided AI to Accelerate Science and Engineering

Dr. Yajie Zhao (13:50)
Topic: AI Driven Creation and Interaction of the Digital World

Dr. Bo Yuan (14:10)
Topic: Algorithm and Hardware for Efficient AI: From Inference to Training

Panel Discussion I (14:30 -15:30)
Dr. Bo Yuan, Dr. Yajie Zhao, Dr. Yongbin Wei, Dr. Shuxue Quan, Dr. Jeff Ren

Dr. Weian Zhao (15:30)
Topic: Inspire Therapeutic Design with Generative AI

Dr. Chen Li (15:50)
Topic: Supporting AI-Centric Data Science Computing Platform for Research Communities

Dr. Andrew Zhang (16:10)
Topic: AI and Emerging Technologies: Shaping the Future of Business

Panel Discussion II (16:30 -17:30)
Dr. Weian Zhao, Dr. Chen Li, Dr. Andrew Zhang, Dr. Deli Wang, Dr. Yongbin Wei, Dr. Shuxue Quan, Dr. Jeff Ren

Forum II: Advances in Energy, Materials & Environment (Ball Room B)
Host Chair: Dr. Ruifeng Liang， Dr. Deli Wang
Speakers:
Dr. Sheng Xu (Special Rising Star Award Presentation) (13:30)
Controlled Epitaxial Growth and Fabrication of Hybrid Halide Perovskites

Dr. Ping Liu (14:00)
Topic: Searching for Next-generation Battery

Dr. Zheng Chen (14:30)
Topic: Innovating Energy Materials and Storage for a Sustainable Future

Dr. Bolin Liao (15:00)

Topic：Imaging Microscopic Energy Transport in Emerging Materials Using Ultrafast Electron Microscopy

Dr. Yangying Zhu (15:30)
Topic: Linking Three-Dimensional Thermal Characteristics with Material Properties during Additive Manufacturing

Dr. Zhu Liu (16:00)
Topic: Leading Global Efforts in Carbon Neutrality and Climate Change Mitigation

Dr. Yong Yan (16:30)
Topic: Unique Opportunities of Perovskite Materials for Elusive Photocatalytic Organic Synthesis

Forum III: Life Science & Technology (Ball Room C)

Host Chair: Jiawei Tang, Host Co-chair: Andrew Wang

Speakers:

Dr. Yu-Hwa Lo (13:30)

Topic：AI Assisted Cell Morpholomics: An Imaging Cell Analysis and Sorting Platform for Single Cell Analysis

Dr. Bozhi Tian (Special Rising Star Award Presentation) (14:00)
Topic: Bioelectrical Interfaces: From Photostimulation to Living Bioelectronics

Dr. Baofa Yu (14:30)
Topic: Immune Self-Nano for Cancer Clinical Therapy

Dr. Jack Jiagang Zhao (15:00)
Topic: New Advances in Technology to Treat Vision Loss

Dr. Gensheng Feng (15:30)
Topic: New Thought and Strategy for Liver Cancer Immunotherapy

Dr. Nianwei Lin (16:00)
Topic: Preclinical Development for Personalized Therapy for Ultra Rare Diseases Using Patient-Derived Cell Models

Forum IV: Overseas Expansion and Development of Enterprises (Room1)
Co-organizer: Gao Law

Host Chair: Dr. Haigang Chen

Speakers:

Tom Tong (13:30)

Topic: Common Legal Risks and Countermeasures for Enterprises Expanding Overseas

Daniel Chang (14:00)

Topic: The Difference between Operating a Business in China and the United States

Sarah Long (14:30)

Topic: How to Set Up Overseas Supply Chain and Risk Control

Dr. Sheng Ye (15:00)

Topic: The Impact of New Sino-US Policies on Business Operations

Yan Gao (15:30)

Topic: Basic Legal Issues of setting up a business in California

Innovation Pitch Competition (Room 2)

Host Chair: Dr. Adam Wu, P of CAST-SD

14 final enrolled Innovation teams

Judges: Carolin Ren (Startup Mentor), Jeff Draa (CEO & Co-founder, Grolltex Inc.) Jun Zhang (Chairman of China-Europe Capital), Ted Hou (Founding Partner of Berkeley Catalyst Fund), Feng Dang (Founder of Stone Pine Venture Capital), Ning Li (Executive Director at Gaorong Capital), Tao Jing (Co-founder & CEO of Dawu Venture Capital), Bin Ouyang (Founder of YGT), Jie Song (Category Product Manager of Sony), Liuning He (President of MIT Chinese Entrepreneurs Organization)

The Pitch competition includes 3 biopharmaceutical projects, 3 medical device projects, 3 new material projects, and 5 AI software application projects.

Education Workshop: International Youth STEAM (Art & STEM) Competition, YEA & SD-San Diego STEM APP Innovators Challenge Winner Release Event: (SD-SAIC) (Room 3)

Organized by: CAST-SD Youth Club & Grace Christian School
Host: Alex Pan, Susan Jiang

10:00-11:00 Outstanding CAST Youth Discussion Meeting with Nobel Laureate

13:00-13:25 Project "FEED ME Smart" Demonstration

13:30-15:40 Host: Alex Pan, Susan Jiang

Speakers:

Dr. Thomas Hou (13:30-13:50)
Topic: Nurturing students' creativity and critical thinking skills in the era of AI

Eddie Park (13:50 – 14:05)
Topic: Global Language development support the k-12 education

Dr. Yu Meng (14:05 – 14:15)
Topic: Pursue excellence with children in science and innovation activities.

Dr Richard Suttie (14:15 -14:30)
Topic: Empowering Student Success - Understanding the Power of Motivation for High

School and College Students through to Careers

Dr. Yan Yang & Charles Wang (14:30 -14:45)
Topic: The whole person education and personal education in the era of AI

Dr. Fu-Yuan Chiu (14:45 – 14:55)
Topic: STEM Curriculum Design and Personalized Education in the Era of AI

Dr. Linda Shi (14:55 -15:10)
Topic: Empowering Future Scientists: A Pathway through Hands-on STEM Internship at UCSD IEM

Dr. Jing Shi (15:10 – 15:30)
Topic: AI Entrepreneurship Case Study in the Education Vertical

Zhanqi Chen (15:30 -15:40)
Topic: Autism Peer 1 on 1 is Serving the Neurodiversity Community

15:40-16:10 CAST-USA iSTEAM & YEA Award Ceremony

iSTEMA Project Contest Winner Announcement

1st Place and 2nd Place Winner Introduction and Demonstration

CAST-YEA Winner Announcement

16:10-18:10 SD-San Diego STEM APP Innovators Challenge Winner

JUDGE TEAM Introduction

Presentation & Demonstration of the Award-Winning Project

Award Winner Announcement

Congressional APP challenge 2023 CA-51 Winner Team “FEED ME Smart”.

Auction & lottery for K-12 Panel

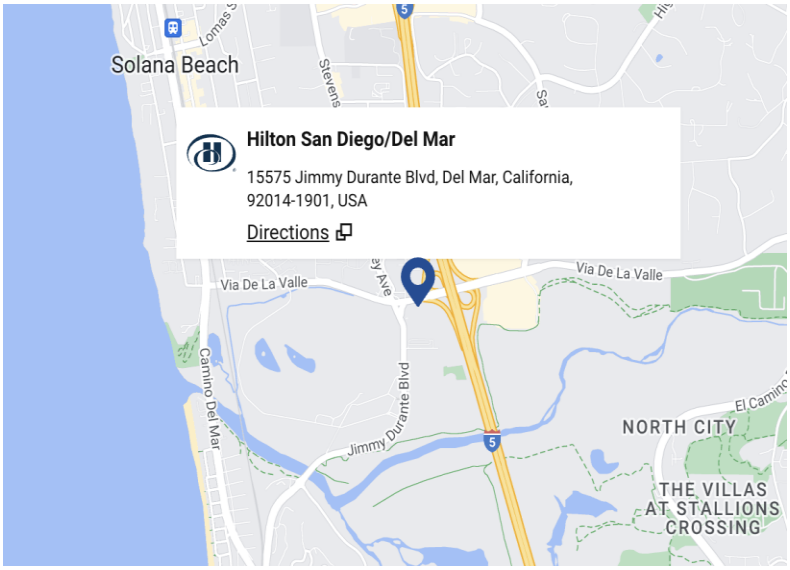
18:00-20:30 **Closing Ceremony & Banquet (Invited Guest Only)**
CAST Team Award Ceremony
Remark at Closing Ceremony
Dr. Xiaochun Andrew Zhang, Board President of CAST-USA

There will be technology company booths, and an exhibition of art and photography works at the venue.

VENUES

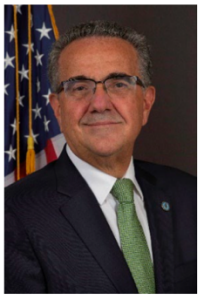
San Diego, CA October 12, 2024

8:00-17:30 Hilton Del Mar
15575 Jimmy Durante Blvd, Del Mar, CA 92014





The Office of Councilmember
JOE LACAVA
Proudly Representing District 1



WELCOME TO THE:
2024 Chinese Association for Science and Technology Annual Conference
&
2024 Global Innovation Summit

October 12, 2024

As the San Diego City Council President Pro Tem, it is my distinct pleasure to welcome you to the 2024 Chinese Association for Science and Technology (CAST-USA) Annual Conference and the 2024 Global Innovation Summit.

CAST-USA's dedicated efforts in advancing science, technology, economic trade, and more, play a vital role in fostering career development for Chinese and American professionals alike. Your participation reflects a shared commitment to building bridges of collaboration, promoting friendships, and enhancing the mutual understanding of Chinese culture within the United States.

Thank you for your contributions, and I extend my best wishes for a productive, inspiring, and enjoyable convention here in San Diego.

Sincerely,

Joe LaCava
Council President Pro Tem

Dr. Kurt Wuthrich



Dr. Kurt Wuthrich is a Nobel Prize winner in Chemistry, a professor at the Swiss Federal Institute of Technology in Zurich, and a visiting professor at the Scripps Research Institute in the United States. In March 2013, he was appointed as a distinguished professor at the iHuman Institute of ShanghaiTech University. He received his Ph.D. in inorganic chemistry from the University of Basel in Switzerland in 1964, conducted postdoctoral research at the University of California, Berkeley in 1965, returned to the Swiss Federal Institute of Technology in 1969, became a member of the International Union of Pure and Applied Biophysics in 1975, and became a professor of molecular biophysics at the Swiss Federal Institute of Technology in 1980, and also served as a visiting professor of structural biology at the Scripps Research Institute.

Dr. Wuthrich began to apply two-dimensional nuclear magnetic resonance technology to the study of biological macromolecules in 1977, but the technology was not widely recognized at first. In 1984, he successfully used nuclear magnetic resonance spectroscopy to analyze the three-dimensional structure of proteins, but most scholars at the time used X-ray crystallography to analyze protein structure, so they were skeptical of his method. It was not until 1992 that other scholars verified Wuthrich's results with X-rays, and his method was recognized. In 2002, he won the Nobel Prize in Chemistry with John Bennett Fenn and Koichi Tanaka for inventing a method for determining the three-dimensional structure of biomacromolecules in solution using nuclear magnetic resonance technology.
Dr. Wuthrich's team conducted nuclear magnetic resonance spectroscopy research at ETH Zurich, Scripps Research Institute, and iHuman Institute of ShanghaiTech University, focusing on biomacromolecule structure determination and its application in neuropathology, immunosuppression, and transmembrane signal transduction. They also used transverse relaxation optimization spectroscopy (TROSY) to perform NMR experiments on large supramolecular structures. Since April 2019, his team has focused on transmembrane signal transduction research of G protein-coupled receptors (GPCRs) at Shanghai Tech University.

Dr. Wuthrich has made great contributions to international cooperation. He served as Secretary-General of the International Union of Pure and Applied Biophysics and contributed to China's accession to the union. In 1983, he visited China for the first time and opened a biophysics school in Beijing in 1986. In 2018, he was granted permanent residency in China and won the Shanghai International Science and Technology Cooperation Award.

Dr. Shu Chien



Dr. Shu Chien is a renowned Chinese–American physiologist and bioengineer whose pioneering work has transformed the understanding of cardiovascular health.

Currently Professor Emeritus of Bioengineering and Faculty Emeritus of the Institute of Engineering in Medicine at UC San Diego, Dr. Chien's research focuses on how the forces of blood flow affect the cardiovascular system.

Dr. Shu Chien's interdisciplinary research combines engineering and biomedical sciences to study how blood flow regulates interactions between blood cells, artery walls, and other cell types like stem and cancer cells. His work explores how mechanical forces influence gene expression, driving cell growth, migration, and death. Utilizing advanced technologies such as nanotechnology, bioinformatics, DNA microarrays, and biomechanics, Dr. Chien's research is pivotal in advancing cardiovascular science.

Dr. Shu Chien earned his M.D. from National Taiwan University and Ph.D. in Physiology from Columbia University. He served as a Professor at Columbia (1969–1988) before joining UC San Diego in 1988. As the founding chair of UCSD's Department of Bioengineering in 1994, Dr. Chien helped elevate the program to national prominence and later established the Institute of Engineering in Medicine in 2008. His leadership also extended across the UC system, where he played a key role in founding the UC Systemwide Bioengineering Institute to foster research collaborations.

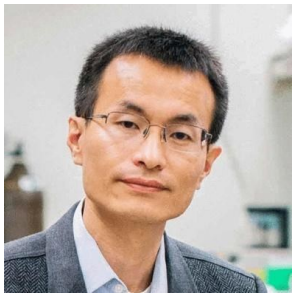
Dr. Chien is one of the few distinguished scholars elected to all four of the U.S. national academies—the National Academy of Sciences, the National Academy of Engineering, Institute of Medicine, and the American Academy of Arts and Sciences. He is also the current President of the Whitaker Institute of Biomedical Engineering at UCSD, a role he has held since 1991. Dr. Chien served as Chair of the Department of Bioengineering at UCSD from 1994 to 1999 and again from 2002 to 2005. His numerous accolades include the U.S. National Medal of Science in 2011, awarded by President Barack Obama for his pioneering contributions to cardiovascular physiology and bioengineering.

Dr. Chien's illustrious career is marked by a steadfast commitment to advancing biomedical engineering, both through his research and his unwavering dedication to education and mentors.

Keynote Speeches



Host Chair: Dr. Deli Wang received his Ph.D. in 2001 from the Materials Department of University of California at Santa Barbara (UCSB) with dissertation on the fabrication of novel biosensors using organic light emitting polymers. He then conducted his postdoctoral research at Harvard University on semiconductor nanowires based nanoelectronics. From 2004 to 2014, Deli Wang worked at the University of California - San Diego (UCSD) as an assistant professor and associate professor in the department of electrical and computer engineering. He started and worked as CTO at NEEM Scientific Inc from 2014 to 2023. In 2024, he joint Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences. His research interests focused on functional nanoscale materials, renewable energy, sensors and digital touch.



Invited Speaker: Dr. Peidong Yang is a leading figure in the fields of nanoscience and materials chemistry, specializing in nanocatalysis and nanoparticle synthesis. He is the Distinguished Professor of Energy at the University of California, Berkeley, where he focuses on developing semiconductor nanowires and sustainable energy technologies. His research includes innovations in nanowire solar cells and photonic energy conversion. Dr. Yang has received numerous international accolades, including the Global Energy Prize and the MacArthur Fellowship, for his groundbreaking contributions.



Invited Speaker: Dr. Yi Cui is a renowned Chinese-American scientist in the fields of nanotechnology, materials science, and sustainable energy. He currently serves as the Director of Stanford University's Precourt Institute for Energy and Founding Director of the Sustainability Accelerator. Dr. Cui's research has advanced areas such as high-performance lithium-ion batteries, and he has founded multiple companies to translate laboratory innovations into practical applications. His contributions have earned him numerous prestigious awards, including the Global Energy Prize and the E.O. Lawrence Award.



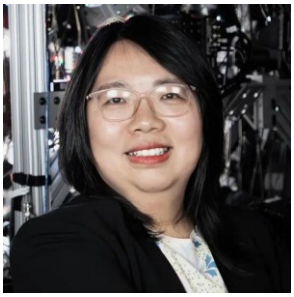
Invited Speaker: Dr. Thomas Y. Hou is a leading figure in applied and computational mathematics, currently a professor at the California Institute of Technology. His research in numerical analysis and multiscale methods, particularly in fluid dynamics, has had a profound impact on both mathematics and engineering. Dr. Hou's contributions have earned him numerous prestigious honors, including election to the National Academy of Sciences and the William Benter Prize.

Special Forum I:

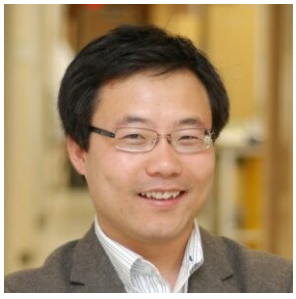
Advances in Artificial Intelligence Research



Host Chair: Dr. Yu Bai is a leading expert in artificial intelligence and high-performance computing, currently serving as the Director of the Joint Research Laboratory for Intelligent Computing. His research focuses on AI, big data analytics, and smart medical devices, where he has made pioneering contributions across multiple fields. Dr. Bai also provides technical consultation to U.S. government agencies. He has mentored numerous talented students, with graduates now working at top tech companies like Google and Amazon, as well as prestigious academic institutions.



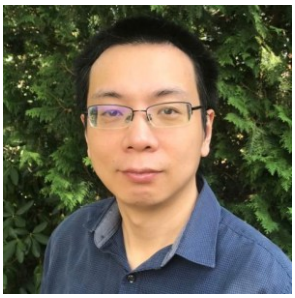
Dr. Yajie Zhao is a leader in the fields of computer vision, computer graphics, and image processing. She is currently a Research Assistant Professor in the Department of Computer Science at the University of Southern California and Director of the Visual and Graphics Lab. Her research focuses on high-resolution 3D representations of facial and body data, neural rendering techniques, and virtual/augmented reality applications. Dr. Zhao has made significant achievements in high-fidelity 3D face reconstruction and image processing, and her influential research has been published in top-tier conferences.



Dr. Weian Zhao is a leader in stem cell research, cancer immunotherapy, and diagnostic technologies, currently a professor at the University of California, Irvine. His work focuses on developing stem cell therapies and innovative diagnostic devices, and he has founded several startups to bring these innovations to market. Dr. Zhao has published over 80 papers and holds 10 patents. His contributions have been recognized with prestigious awards such as the MIT TR35 Innovator Award and the NIH New Innovator Award.



Dr. Chen Li is a distinguished scholar in computer science and data management, currently a professor at the University of California, Irvine. He has made significant contributions in the areas of data management, text analysis, and large-scale data visualization. His work has been recognized with prestigious awards, including the NSF CAREER Award and several long-term impact awards. Dr. Li has also founded startups to translate his research into practical applications, fostering collaboration between academia and industry.



Dr. Bo Yuan is an expert in intelligent systems, currently serving as an Assistant Professor at Rutgers University. His research focuses on efficient AI/ML algorithms and intelligent robotic computing systems. Dr. Yuan has been recognized with the Broadcom Global Research Competition Award and serves on technical committees for several IEEE/ACM conferences. His work has advanced applications in fields such as smart manufacturing and transportation, with a strong commitment to bridging theory and practical implementation.



Dr. Rose Yu is an expert in machine learning and spatiotemporal data analysis, currently an Associate Professor in the Department of Computer Science and Engineering at the University of California, San Diego. Her research spans areas such as dynamical system learning and anomaly detection, earning her prestigious honors including the DARPA Young Faculty Award and the NSF CAREER Award. Dr. Yu's work has advanced the application of machine learning in scientific discovery, and she has mentored numerous students who have gone on to succeed in both academia and industry.



Dr. Andrew Zhang is an expert in emerging technologies such as artificial intelligence, cloud computing, and the Internet of Things. He is currently the CEO of Alpha AI and the founder of A+Media, where he focuses on driving industry transformation and sustainable growth through AI. Previously, he served as Chief Technology Officer at 99 Ranch Market and led a Bill Gates-funded research project at Stanford University. Dr. Zhang is also dedicated to nurturing the next generation of tech talent, mentoring students who have gone on to study at prestigious institutions like Harvard and Stanford, and work at leading companies.



Dr. Yongbin Wei received his PhD from Purdue University in 1999. He worked at Qualcomm as senior director of engineering, VP of engineering, and VP of Product Management & Engineering at Qualcomm. He has 20+ years of industry experience with profound knowledge of wireless communication of 3G/4G/5G/WLAN. Extensive experiences in designing cutting-edge cellular systems (CDMA, WCDMA, HDR, OFDM, MIMO, CoMP, MTC, IOT, 4G LTE, LTE-advanced, MulteFire, 5G NR), international standardization, hand-on 4G/5G prototyping and implementation, technology trials, and ASIC algorithm development. He was the recipient of 2016 outstanding alumni of the ECE department (OECE) of Purdue University.



Dr. Shuxue Quan is currently the Senior Director of Research on AI/GenAI, CV and camera technologies at the AI Center of Samsung Research America. He received the PhD degree in Imaging Science from Rochester Institute of Technology in 2002. Later, he was a researcher, architect, and director of R&D at Sony, Qualcomm, Micron and Broadcom, and then at Qualcomm again, and OPPO Research Institute respectively. Dr. Quan lead the OPPO AR/VR and AI Research in 2018, powering OPPO AR Glass and MR Glass in 2020 and 2022. Now he is responsible for AI/GenAI, brings vision intelligence to smartphone, XR and robotics at Samsung Research America.



Dr. Jianfeng Jeff Ren, currently working as a software engineer manager at Google, received the PhD in Electrical Engineering from University of Texas at Dallas. He has a strong background in research and development, with extensive experience in the areas of video processing, computer vision, and deep learning. Previously he has worked for major tech companies like Qualcomm and Huawei USA researcher center, contributing to the development of innovative solutions for camera systems, image processing, and artificial intelligence. Jianfeng has also published numerous research papers, holds multiple patents and published three books, demonstrating his expertise and thought leadership in the field.

Special Forum II

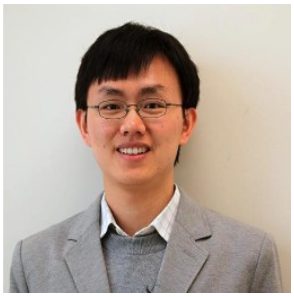
Advances in Energy, Materials and Environment



Host Chair: Dr. Ruifeng Ray Liang, Professor and VP of Chinese Association of Science and Technology, USA; He is the managing director of the Center for Integration of Composites into Infrastructure, US-NSF; the editor-in-chief for Americas of the journal Sustainable Structures; a member of the Technical Committee and a member of the Education Committee of the American Composites Manufacturers Association; and the vice chair of the International Cooperation Committee of the Chinese Society for Composite Materials. A graduate of Tsinghua University, he received his MS and PhD degrees from Chinese Academy of Sciences Institute of Chemistry and postdoctoral training in Cambridge University.



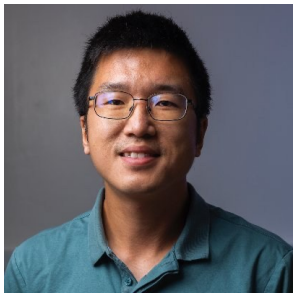
Dr. Ping Liu is William Coles Professor in the Aiiso Yufeng Li Family Department of Chemical and Nano Engineering and Director of the Sustainable Power and Energy Center (SPEC) at UC San Diego. His group specializes in developing materials to advance rechargeable batteries for electric vehicles and grid storage. Prior to joining the Jacobs School faculty in 2016, Prof. Liu was a Program Director at the Advanced Research Projects Agency – Energy (ARPA-E), where he initiated and managed research programs in energy storage for electric vehicles and thermal management technologies to improve building energy efficiency. He was the manager of the Energy Technology Department at HRL Laboratories and was a research staff member with the National Renewable Energy Laboratory (NREL). Prof. Liu has published 160 peer-reviewed papers and has been issued 50 US patents in the broad areas of batteries, fuel cells, sensors and actuators. He received an R&D 100 Award for a solid state battery technology developed at NREL.



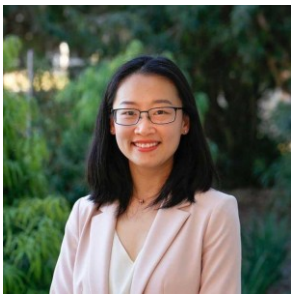
Dr. Sheng Xu is a professor and Jacobs Faculty Scholar at UC San Diego. He earned his B.S. degree in Chemistry from Peking University and his Ph.D. in Materials Science and Engineering from the Georgia Institute of Technology. Subsequently, he pursued postdoctoral studies at the Materials Research Laboratory at the UIUC. His research group is interested in developing new materials and fabrication methods for energy and healthcare technologies. His research has been presented to the United States Congress as a testimony to the importance and impact of funding from the National Institutes of Health. His work has been recognized by numerous honors, including the NIH Maximizing Investigators' Research Award, NIH Trailblazer Award, Sloan Fellowship, Bau Family Award, IEEE EMBS Technical Achievement Award, ETH Zürich Materials Research Prize for Young Investigators, MRS Outstanding Early Career Investigator Award, and a finalist of the Blavatnik National Awards for Young Scientists. He is a Fellow of the American Institute for Medical and Biological Engineering.



Dr. Zheng Chen is a Professor in the Aiiso Yufeng Li Department of Chemical and Nano Engineering, and Program of Materials Science and Engineering at UC San Diego. His research group has been focusing on energy materials and manufacturing processes. Dr. Chen has received the 2024 ECS Toyota Young Investigator Fellowship, 2023 ECS Battery Division Early Career Award, NASA's 2018 Early Career Faculty Award, the LG Chem Global Battery Innovation Contest (BIC) Award in 2018, and the 2018 ACF PRF New Investigator Award. He has been selected as a Scialog Fellow in Advanced Energy Storage by Research Corporation and as a participant of 2022 Germany-US and 2019 China-America Frontiers of Engineering Symposium (CAFOE), National Academy of Engineering.



Dr. Bolin Liao is an associate professor of mechanical engineering at UCSB. He received his Ph.D. in mechanical engineering from MIT in 2016 and was a Kavli postdoc scholar at Caltech from 2016 to 2017. His current research focuses on the fundamental understanding of microscopic energy transport mediated by phonons, electrons and spins in emerging quantum and energy materials and their potential application in next-generation energy and electronic systems. His research has been recognized by an outstanding Ph.D. thesis award from MIT, a Kavli prize postdoctoral fellowship in nanoscience from Caltech and several young investigator awards from federal agencies, including an NSF CAREER award.



Dr. Yangying Zhu Yangying Zhu is an assistant professor in the Mechanical Engineering department at University of California, Santa Barbara since 2019. Prof. Zhu's research focuses on thermo-fluid engineering for more efficient thermal management for data center and building energy savings, energy storage, desalination using renewable energy, and advanced manufacturing. She obtained her PhD from MIT in 2017, advised by Prof. Evelyn Wang, where she developed microsystems for aggressive cooling of electronics. During her postdoc with Prof. Yi Cui at Stanford University from 2017 to 2019, she investigated thermal effects in lithium-based batteries. The impact of Prof. Zhu's research was recognized by highly-visible early career awards from federal agencies including ONR YIP, NASA Early Career Faculty award, ARPA-E Inspiring Generations of New Innovators to Impact Technologies in Energy IGNIITE early career award, and the National Science Foundation CAREER award. In addition, she also received the Outstanding Early Career Awards from the International Micro Flow and Interfacial Phenomena conference, the ASME Pi Tau Sigma Gold Medal which recognizes outstanding achievement in mechanical engineering within ten years following graduation with a baccalaureate degree in Mechanical Engineering, the Regent's Junior Faculty Award, and the Hellman Family Faculty Fellowship.



Dr. Zhu Liu is a Professor and Principle Investigator at Department of Earth System Science, Tsinghua University, and Fellow at Salata Institute for Climate and Sustainability, Harvard University. Zhu initiated and led the Carbon Monitor project that provides first ever global daily CO_2 emission dataset (https://carbonmonitor-graced.com/). Zhu takes integrated approach to assess the human impacts on the earth system in terms of greenhouse gas emissions. Zhu hold Ph.D. from the Chinese Academy of Sciences with joint training by University of Cambridge. Zhu conducted postdoctoral research at Harvard University and California Institute of Technology. Zhu is the global highly citied researcher.



Dr. Yong Yan is a professor at San Diego State University, specializing in sustainable catalytic methods and chemical synthesis. His lab focuses on utilizing solar energy for chemical reactions, developing renewable hydrogen fuel, and creating innovative chemical bonds. Dr. Yan also explores the application of chiral perovskite materials in asymmetric organic synthesis. His groundbreaking research bridges the gap between chemical catalysis, renewable energy, and human health, making significant advancements in these fields.

Special Forum III

Life Science & Technology



Host Chair: Ms. Jiawei Tang is VP of Business Strategy in H.L.H Health. She has nearly 15 years of experience in the healthcare industry, including 12 years at Pfizer, where she specialized in sales, corporate strategy, and marketing. She has also gained extensive experience in clinical trials and drug development within the CRO sector. Currently, she serves as Secretary-General of the Chinese Association of Science and Technology, where she is committed to advancing health equity, gender equality, and environmental sustainability.



Co-Chair: Dr. Y. Andrew Wang is the President of Ocean NanoTech LLC and Sphere Biologics LLC, with over 25 years of pioneering expertise in nanomedicine. He has spearheaded the development and commercialization of advanced magnetic nano/microparticles and fluorescent nanoparticles for in vitro diagnostics and drug delivery applications. As a Principal Investigator, Dr. Wang has secured more than 30 SBIR/STTR grants from prestigious institutions such as the NIH, NSF, DOD, and CDC. He has also served as a reviewer for multiple NIH SBIR study sections. Dr. Wang has authored over 150 peer-reviewed publications and currently serves as a Life Science Global Advisor for Millipore Sigma. He received his PhD in Chemistry from Jilin University and completed post-doctoral training at Peking University, Vanderbilt University, and Emory University.



Dr. Yu-Hwa Lo is a professor at the University of California, San Diego, focusing on biomedical devices, bioelectronics, microfluidics, nanophotonics, and nanoscale semiconductor devices. His research focuses on the development of advanced biomedical devices and systems that integrate microfluidic, photonic, acoustic, and electronic technologies for in vitro and in vivo diagnosis and prognosis of various diseases, such as cancer and infectious diseases. His main goal is to develop portable medical devices that can reduce healthcare costs and improve patient outcomes. Professor Luo's team emphasizes the practical translation of scientific research results and works extensively with the biomedical industry and medical experts. Professor Luo's research group also develops innovative tools using nanoengineering and optoelectronics to accelerate discovery in the biosciences, which have important applications in stem cell, bacterial and microbial research. His research projects in nanoscale optoelectronics include single-photon detection and nano-photonic devices for biosensing and quantum communication. Professor Lowe holds a PhD in electrical engineering from the University of California, Berkeley, has published more than 500 papers, holds 50 patents, and is a fellow of the Optical Society of America and IEEE.



Dr. Bozhi Tian is a professor at the University of Chicago, specializing in pioneering advances in optoelectronic drugs and living bioelectronics. His research focuses on the molecular nanointerface between biological systems and electronic materials, with three main goals: integrating semiconductor structures into biological systems, developing biophysical tools for subcellular monitoring, and creating adaptive electronics inspired by biology. Dr. Tian holds degrees from Fudan University (B.A. 2001, M.A. 2004) and Harvard University (Ph.D. 2010), and held postdoctoral positions at MIT and Boston Children's Hospital. He has received numerous honors, including the NIH New Innovator Award, the Alfred P. Sloan Fellowship, and the Presidential Early Career Award for Scientists and Engineers (PECASE).



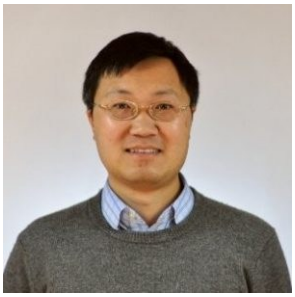
Dr. Jack Jiagang Zhao is an expert in regenerative medicine and ophthalmic cell therapy, currently serving as the Co-Founder and Chief Technology Officer of Sightstream Biotherapeutics. He specializes in developing stem cell therapies to treat degenerative retinal diseases and conducts ophthalmic stem cell research at the University of California, San Diego. Dr. Zhao's work is at the forefront of regenerative medicine and ocular biotherapy, with a focus on creating innovative treatments to restore vision.



Dr. Baofa Yu is a renowned clinical oncologist and pioneer in tumor chemo-induced immunotherapy. He is the founder of Baofa Cancer Hospitals in Beijing, Taimei, Jinan, and Dongping. Dr. Yu developed ChemoVac, a slow-release intratumoral chemotherapy technique combined with immunotherapy, for which he holds several international patents. His contributions to cancer research, hospital establishment, and global cancer treatment have made a significant impact on the field.



Dr. Gen-Sheng Feng is a Professor of Pathology and Molecular Biology at the University of California, San Diego, specializing in cell signaling and liver cancer research. He discovered the Shp2 tyrosine phosphatase and extensively studied its role in the RTK-Ras-Erk pathway. Dr. Feng's current research focuses on the interaction between tumor cells and the microenvironment in liver cancer, as well as developing novel immunotherapies. He is a Fellow of the American Association for the Advancement of Science (AAAS) and serves as the President of the Chinese-American Association for Cancer Research.



Dr. Nianwei Lin is the Co-Founder and President of iXCells Biotechnologies, a biotechnology company specializing in preclinical drug discovery solutions using disease-relevant cell models. Dr. Lin holds a Ph.D. in Genetics from the University of Florida, College of Medicine and previously worked as a postdoctoral researcher at Pfizer, focusing on lysosomal dysfunction and its impact on drug toxicity and efficacy. His company provides high-quality iPSCs and primary cells, along with innovative services related to drug discovery.

Special Forum IV

Overseas Expansion and Development of Enterprises

Co-organizer： GAO LAW



Host Chair: Dr. Haigang Chen is a senior engineering leader in HP's printing technology division, with over 17 years of experience. He currently serves as the Manager of Printhead Engineering and Operations, leading teams that have driven significant advancements in wide-format production, PageWide industrial printing, and 3D printing. Dr. Chen holds a Ph.D. in Chemical Engineering from Carnegie Mellon University, where he specialized in nanostructured lubrication films. His groundbreaking work in surface energy and molecular dynamics has played a pivotal role in advancing printing technology.



Attorney Tom Tong is an international partner at Locke Lord LLP, with 25 years of legal experience. He is one of the first Chinese-American lawyers in the United States to provide legal services for Chinese companies expanding overseas. He has represented landmark projects for Chinese companies in the U.S., including drilling operations, acquisitions of engine manufacturing companies, and chemical plant construction. Additionally, Mr. Tong has assisted hundreds of Chinese enterprises in establishing subsidiaries in the U.S. and has extensive experience in compliance and risk management, covering areas such as approvals, visas, land purchases, and employment law. Mr. Tong is also highly experienced in commercial litigation and has successfully represented clients in multiple high-stakes cross-border litigation cases. He has been invited to lecture at prestigious institutions like Harvard and Stanford on legal issues concerning Chinese companies in the U.S. and has provided compliance training for China's State-owned Assets Supervision and Administration Commission and major corporations.
In addition, Mr. Tong is dedicated to public service, having served as President of the Dallas Chinese-American Chamber of Commerce and founded Lawmato, the first online legal consultation APP in the U.S. He holds a bachelor's degree from Shandong University, an MBA from Rollins College, and a J.D. from Vanderbilt University.



Mr. Daniel Haiming Chang is the founder of AEM, Inc., with an academic background in materials science and chemical engineering. He previously served as an R&D engineer at Philips and Kyocera. In 1986, he founded AEM, Inc., focusing on electronic components for aerospace and military applications, growing it into an electronics company with a market value exceeding one billion dollars. In 2001, he established AEM company in China, primarily serving top global consumer brands such as Apple, Cisco, BYD, and Foxconn. He has received multiple awards for outstanding leadership in the technology industry. Under his guidance, AEM has achieved great success in technological innovation and management, becoming a global leader by setting industry standards. Since 2021, Mr. Chang has further expanded AEM, successfully acquiring two high-tech companies and their factories in Boston and New York, establishing a global AEM Group.



Sarah Long has been working as a design engineer and manager for aircraft engine blades, landing gear, and aircraft interior designs at Fortune 500 aerospace manufacturing companies Boeing and Goodrich since 1992. In the early 2000s, she was appointed as the Chief Representative and General Manager for Goodrich in China, responsible for overseeing procurement, joint ventures, and market operations for Goodrich's 99 global subsidiaries in the Chinese region. Later, she successfully established aerospace interior manufacturing companies, aerospace investment management firms, and financial investment enterprises in both China and the United States. She holds a MS degree in Engineering from Canada and the U.S., as well as an EMBA.



Dr. Sheng Ye received the Ph.D. degree in electrical engineering from the University of California at San Diego and a B.S. in physics from Beijing University. He co-founded MaxLinear Inc. in 2003, where he is currently a senior director in RF and mixed signal IC design group. His research interests include signal processing and RF/mixed signal IC design for communication systems.



Yan Gao is the founder of Gao Law Firm and has more than 10 years of legal consulting experience in international and cross-border transactions, corporate and commercial affairs, corporate immigration, and commercial dispute resolution. She is licensed in both China and California. She graduated from China University of Political Science and Law with a major in international economic law in 2004 and graduated with honors from Tulane Law School in 2009 with a master's degree in American business law. Yan Gao has worked in large law firms in China and the United States for many years and has served as a judge's assistant in commercial dispute appeals at the Supreme People's Court of China. She is passionate about legal practice and is good at solving clients' legal problems. She has served clients in a variety of industries including biotechnology, pharmaceuticals, real estate, electronics, international trade, cryptocurrency, blockchain, building materials, and education.

CAST 2024 Global Startup Innovation Pitch Competition



Host Chair: Dr. Adam Wu is an expert in algorithms and AI applications in the in vitro diagnostics (IVD) field, focusing on improving the accuracy and efficiency of medical testing. He is the founder of Martian Science, a company that has made breakthroughs in projects involving computer vision and large language models, advancing technology in both the medical and industrial sectors. Dr. Wu also serves as the President of the Chinese-American Science & Technology Association in San Diego, where he is dedicated to fostering innovation and global collaboration in science and technology.

Judges



Jeff Draa
Jeff is CEO and Co-Founder of Grolltex Inc., an advanced materials company in San Diego. He is also Chairman Emeritus of the Tech Coast Angels, the largest angel funding network in the U.S. Jeff is a member of several corporate and non-profit boards, including as a PachaZhar, an energy storage company that helps schools go paperless, and at the John G. Watson Foundation which supports entrepreneurship in Southern California.



Carolin Ren - Startup Mentor
A seasoned researcher, investor, and entrepreneur in the medical field with over 20 years of experience in the global health industry. She is particularly skilled in the strategic and operational aspects of China-U.S. projects, international research translation, niche industry and hospital mergers and acquisitions, and fund management. She is the mentor for entrepreneurship programs at Tsinghua University and also an Executive Committee Member of the Southern California Peking University Alumni Association.



Jun Zhang - Chairman of China-Europe Capital
Former Vice President of Huawei, first proposed the HarmonyOS. Now the founder of China-Europe Capital, which has recently invested in projects like high-end motor drivers, ultra-short focal length lenses/light engines, and proportional valves used in medical ventilators/lithography machines. He is also a member of the Asia Pacific Entrepreneurs association Council.



Ted Hou - Founding Partner of Berkeley Catelyst Fund
Ted is the founding partner of Berkeley Catalyst Fund, focusing on life sciences, biotechnology, agriculture, cleantech, and sensors. He primarily invests in Seed and Series A stages, targeting therapeutics, diagnostics, medical devices, clear air, clean water, energy storage, and innovative technologies.

Feng Dang - Founder of Stone Pine Venture Capital



Founder of Stone Pine Venture Capital, specializing in early-stage investments in life sciences, biotechnology, agriculture, cleantech, and sensors. He has also invested in Black Sesame Intelligence, including CellPro Biotech, Haowei Microbiology, and more than 15 other enterprises.



Ning Li - Executive Director at Gaorong Capital

Dr. Li Ning, Executive Director at Gaorong Capital, graduated from the Chinese Academy of Sciences and has over ten years of experience in the life sciences industry and investment. He has invested in companies such as CStone Pharmaceuticals, Ascletis Pharma, HighTide, Oncopia, Hanchorbio, Minghui Pharmaceutical, Epimab, Impact Therapeutics, Monobio, Immorna, BriGene, Qi Biosciences, and others.

Tao Jing - Co-founder/CEO of Dawu Venture Capital



Dawn Venture Capital is a professional venture capital firm. Their main investment directions and projects include semiconductors, with an investment in Black Sesame Intelligence; commercial aerospace, with an investment in SpaceX; new materials, with an investment in Jiuri New Materials; AI applications across various industries: autonomous driving, with an investment in Tian Tong Vision; biomedicine and innovative drugs, with an investment in Sinan Innovation; and other sectors, with an investment in Futu Securities.



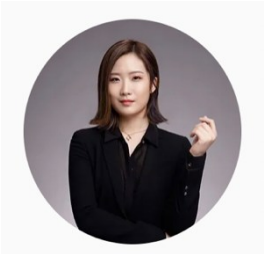
Bin Ouyang - Founder of YGT

Founder of the Young Green Tech (YGT) Environmental Innovation Program. YGT was jointly launched in 2018 in San Francisco by institutions such as the California Clean Energy Fund, Vanke Foundation, and Columbia Global Energy Fund. It is a globally leading green innovation incubator. As of 2021, YGT alumni companies have raised over $200 million, spanning more than 20 countries worldwide, covering industries such as AI, energy, advanced manufacturing, materials science, and data processing.

Jie Song - Category Product Manager of Sony



As Category Owner, Mr. Song oversees the full lifecycle of professional camcorders, encompassing everything from market research and product launch to service and end-of-life management. His leadership has been pivotal in transforming the filmmaking landscape, making advanced cinematography more accessible to a diverse range of users. Additionally, Mr. Song contributes to the community by volunteering to mentor emerging talents in business startups, career development, and product innovation.



Liuning He – President of the MIT CEO

An angel investor at KungHo Fund, she is focusing on early-stage investments in AI and cutting-edge technology. Before that, she worked with several top-tier Chinese angel funds, including ZhenFund, FreesFund, and 5Y Fund. Since 2021, she has served as the president of the MIT Chinese Entrepreneurs Organization (MITCEO). She is dedicated to building platforms that help Chinese entrepreneurs freely communicate and exchange resources, and provides systematic help and guidance to scholars interested in transforming technological ideas into startups. She holds degrees from MIT and Tsinghua University.

Education Workshop: International Youth STEAM (Art & STEM) Competition, YEA &SD-San Diego STEM APP Innovators Challenge Winner release event: (SD-SAIC)

Organized by: CAST-SD Youth Club & Grace Christian School
Host: Alex Pan & Susan Jiang CAST-SD Youth Club Leader



Dr. Fu-Yuan Chiu is the Dean of the College at National Tsing Hua University in Taiwan. He leads the Taiwan Pre-service Teacher STEAM Internship Program in the U.S., where he guides future educators in the global promotion of K-12 STEAM education, covering countries such as the United States, Peru, India, Singapore, Malaysia, and Vietnam. The program incorporates the use of VR (Virtual Reality) and MR (Mixed Reality) for language and cross-cultural learning, as well as AI & STEAM education robots. His student teams have achieved championship titles in renowned international robotics competitions such as RCJ and IYRC. Additionally, they have secured the rights to host several regional rounds of international robotics competitions.



Mr. Richard Suttie is the CEO of TalentMotives, Inc., where he developed the MQi (Motivation Quotient Integration) platform and its AI agent, Sherpa, focused on optimizing workforce management. A former instructor pilot and commander in the U.S. Navy, Richard transitioned into higher education, serving as Assistant Dean for Executive Education at the USC Marshall School of Business, where he led corporate training programs. He also holds executive fellowships from Harvard University and Syracuse University, with a focus on strategy and security affairs.



Dr. Yu Meng is a distinguished educator and innovator in computer science and technology education. He founded the "Dr. Meng Innovation Competition Camp," dedicated to nurturing young tech talent. As a Senior Member of IEEE and a certified MIT App Inventor instructor, Dr. Meng has received numerous global accolades, including the 2022 Global Teacher Excellence Award and the 2023 Outstanding Chinese AI Educator "Global Star" Award. His students have achieved significant success, frequently winning national and international competitions under his guidance.



Dr. Linda Shi is the Director of the IEM OPALS Internship Program at the University of California, San Diego, where she leads high school students in hands-on research in STEM fields such as biophotonics and biomedical engineering. Under her leadership in the summer of 2024, the program hosted 135 interns from 50 high schools, engaging them in 20 research projects covering diverse topics such as pain medication and signal transduction, Alzheimer's disease, laser shockwaves and ablation, and machine learning. Dr. Shi is dedicated to fostering an inclusive environment that encourages collaboration and innovation. Her students have presented their research at



prestigious conferences such as BIC, SPIE, ASCB, and BMES, helping cultivate the next generation of STEM leaders.

Mr. Charles Wang graduated from Tamkang University in Taiwan with a degree in Civil Engineering and later earned master's degrees in Civil Engineering and Computer Science from Auburn University. Since 2000, he has worked in software development in California, serving as Senior Software Manager at BlackBaud, where he led platform development handling millions of dollars in daily transactions. In 2015, he founded the online education platform EquaLearning and became its CEO. With extensive experience in big data analytics, online platforms, and software development, Charles has contributed to several high-profile projects. In 2021, he co-founded the PQAIRE.COM platform with Enlighting Inc., and in 2024, he developed the Small Q generative AI system.



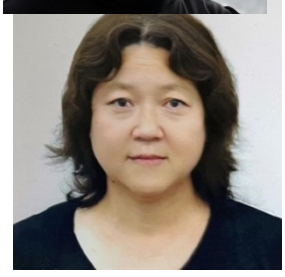
Dr. Yan Yang is an Associate Professor at the School of Government at Nankai University, holding dual Ph.D. degrees in Political Science from Aichi University in Japan and Nankai University. She completed her postdoctoral research at the University of California, San Diego (UCSD) and is currently pursuing a Doctorate in Christian Education at Dallas Theological Seminary. In addition to her academic achievements, Dr. Yang serves as the Principal of Grace Christian School and the CEO of Amazing Grace Institute, where she leads various education and faith-based initiatives.



Mr. Eddie Park is the Director of Global Languages and Innovative Programs for Poway Unified School District, with over 30 years of experience in education. He has spent 15 years as an elementary school principal and has been recognized with numerous awards, including the Blue Ribbon School Award, California Distinguished School Award, and the Classroom of the Future Award. His career reflects a strong commitment to advancing educational programs and fostering innovative learning environments.



Dr. Gene Shi is the Co-Founder and CEO of Learning Genie, focusing on enhancing learning outcomes through AI-driven educational tools. He holds 10 U.S. patents and has received multiple entrepreneurship awards for his innovative work in edtech. Learning Genie serves over 500 school districts globally, dedicated to personalized learning and family engagement. Dr. Shi is also the founder of a nonprofit organization that promotes the equitable application of AI in education.



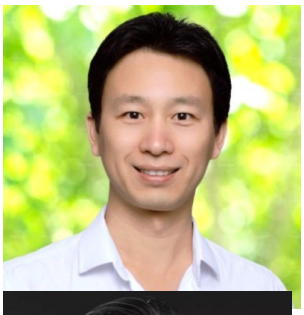
Mrs. Chen Zhanqi is the founder of Autism Peer 1 on 1, dedicated to special education. Autism Peer 1 on 1 is a non-profit organization that provides social inclusion support for youth on the autism spectrum and other developmental disabilities. It provides opportunities for children aged 5 to 18 to interact and socialize with youth volunteers by organizing a variety of fun activities, events and clubs. The organization accepts youth volunteers aged 9 and above to participate in serving other children and youth with disabilities. Volunteers can not only earn community

service hours, but also increase awareness and understanding of youth with autism and other developmental disabilities.

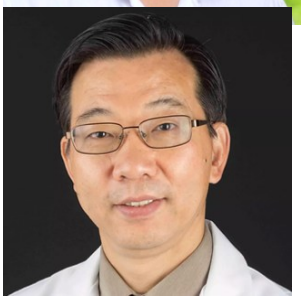
Core Team of CAST-USA



Dr. Xiaoyan Vicky Huang is President of the Chinese Association of Science and Technology, USA (CAST-USA). She earned her B.S. degree in Chemistry from Fudan University and her Ph.D. in Chemistry from the Ohio University. She currently works as Associate Director of Product Management at CorDx, Inc. She oversees the full product lifecycle, from design to post-market monitoring, big client information management. At CAST-USA, Dr. Huang drives scientific collaboration, start-up incubation, and continue education, particularly in entrepreneurship and technological innovation. Her leadership has positioned CAST-USA as a key force in bridging research and practical applications.



Dr. Xiaochun Andrew Zhang is the Chairman of the Board of the Chinese Association of Science and Technology, USA (CAST-USA). He is currently the CEO of Alpha AI and the founder of A+Media, where he focuses on driving industry transformation and sustainable growth through AI. Previously, he served as Chief Technology Officer at 99 Ranch Market and led a Bill Gates-funded research project at Stanford University. Dr. Zhang is also dedicated to nurturing the next generation of tech talent, mentoring students who have gone on to study at prestigious institutions like Harvard and Stanford, and work at leading companies.



Dr. Jinrong Zhou is the Chairman of the Council of the Chinese Association of Science and Technology, USA (CAST-USA). He is a Professor at Harvard Medical School and Director of the Nutrition and Metabolism Lab at Beth Israel Deaconess Medical Center, specializes in the role of nutrition and bioactive molecules in preventing chronic diseases like cancer and diabetes. He holds degrees from Nanjing University and a Ph.D. from the University of Illinois. His lab evaluates nutritional interventions for disease management. Dr. Zhou has published extensively and serves on several scientific review committees.



Dr. Xingyu Wang currently serves as the President of the Washington Chapter of the Chinese Association of Science and Technology and the Honorary President of the Anhui Association in the Greater Washington Area. He has lived in the United States for over 30 years, primarily working in the fields of economic data analysis and computer network management. He has participated in editing and publishing several books on U.S. tourism economic analysis. In 2021, he transitioned from the IT industry to the field of special education for children, focusing on assisting with the rehabilitation of children with autism. He currently serves as the CFO of Washington-based Jiameng

Special Education Consulting Company. Due to his many years of diligent contributions to public service, he was elected as the 2025 President of the Chinese Association of Science and Technology.

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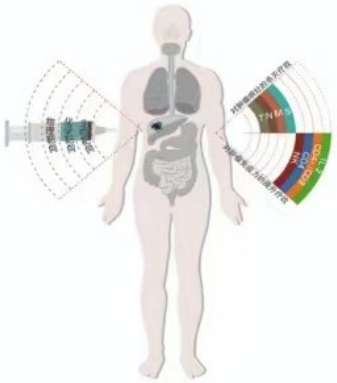
于保法院士
DR.BAOFA YU 保法医疗创始人
主任医师 缓释库疗法发明人

于保法BAOFA YU, M.D. 俄罗斯自然科学院外籍院士，免疫缓释库疗法发明人，主任医师，美国德州大学（EL PASO）兼职教授，美国健康科学西部大学兼职教授，深圳大学附属华南医院客座教授，国际转化医学会细胞与基因治疗专委会首席专家、南方科技大学恒普生命科学研究中心细胞与基因治疗研究与应用高级专家、南方科技大学恒普生命科学研究中心肿瘤治疗和临床医学高级专家。1988年中国协和医科大学（北京协和医学院）研究生毕业,1990–1991美国UCSD博士后，1992–1993年SALK博士后，1994–1998 ASSISTANT ADJUNCT PROFESSOR, UCSD. 在美期间主要从事癌症药物载体给药的研究和肿瘤分子生物学研究。他发明了利用肿瘤组织作为抗癌药物缓释体系的新概念和缓释库治疗方法，先后获得美国、中国、澳大利亚发明专利。



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地　　址：山东省济南市槐荫区菏泽路1299号
联系电话：4006131120　0531–88553728

微模式
MICROPATTERN

Email : marketing@micropattern.com

MicroPattern Corporation provides artificial intelligence based products for financial industry such as banking, insurance and security. It also provides video surveillance related total solutions for smart city such as public security, intelligent transportation, smart parking, smart classroom and smart education, and so on. It has cutting-edge machine learning algorithms such as :


Image and video fraudulence detection


Deep fake detection


Image and video privacy protection


Face image privacy protection


Action recognition


Video analysis and understanding


Moving object tracking


Audio and video recording with AI


Audio and video irregularity inspection


Face detection and recognition


Identity verification


Face liveness detection


Document image analysisand recognition


Signature verification


Bank check recognition


Banknotes fraudulence detection


Check fraudulence detection


Transit Pro Tech Inc.
ABOUT US
Transit Pro Tech Inc., established in Delaware and headquartered in California, is committed to the development and servicing of artificial intelligence applications for the global railway industry. Transit Pro Tech provides a full range of AI solutions for its customers and has patented cutting edge solutions in railway track fault detection and driver-ride monitoring technology. Its Chinese affiliate has provided services to the high-speed train and railroad developers and operators in Beijing, Guangzhou, Yibin and Nanchang.
End-of-train Ancillary Robot
Equipped with robot arms, obstacle-avoidance radars and compute-vision modules, this all-terrain hexapod robot is well suited for complex terrain in freight classification yards.
This product realizes autonomous cruising and automatic transportation and coupling-uncoupling of end-of-train communication equipment, establishment of communication links and coupling-uncoupling of air ducts.
Fault-in-rail Detection Robot
Equipped with fault-detection sensors, computer-vision modules, lidar and edge computing systems, this robot has powerful communications, control and space modeling capabilities.
It can adapt to the complex terrain in freight classification yards and detect and analyze faults-in-rail, send alert and mark fault positions in real-time.
It may effectively promote the efficiency and lower labor intensity of fault-detection personnel.
(626) 332 5398
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Grades K-12th

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The school is dedicated to cultivating global elites with a strong cultural heritage and innovative spirit, following national curriculum standards.

Additional courses in computer science, programming, robotics, and more broaden students' perspectives in language, natural and social sciences, humanistic qualities, and the arts, enhancing their overall comprehensive quality.

OUR CURRICULUM

ENGLISH
Wonders 2023

SOCIAL STUDIES
Impact - McGraw Hill

CHINESE
Meizhou Chinese
Experimental Chinese

MATH
SINGAPORE MATH
AOPS MATH

Grace Christian School
Bell Schedule

Grades

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:40	Bible	Bible	Bible	Bible	Bible
8:40-9:30	Chinese	Chinese	Chinese	Chinese	Chinese
9:30-9:55	PE	PE	PE	PE	Math Olympia
9:55-10:15	Recess				
10:15-11:15	Writing Grammar	Writing Grammar	Writing Grammar	STEM	Social Studies
11:15-11:40	Lunch				
11:40-12:15	Park			No Park	Park
12:15-1:00	Language Arts	Language Arts	Language Arts	Language Arts	Computer Science
1:00-1:50	Math	Math	Math	Math	Science
1:50-2:05	Break				
2:05-2:45	Spanish / French	Spanish / French	Spanish / French	Spanish / French	Spanish / French
2:45-3:20	Read / Aloud	Read / Aloud	Computer Science	Read / Aloud	Read / Aloud

SPANISH
Carson Dellosa
Thinking Kids

SCIENCE
Impact - McGraw Hill

LEGO ROBOTICS
creative thinking
problem-solving

COMPUTER SCIENCE
Scratch Programming
Python

Physical Education

ACCREDITATIONS:

ACSI · WASC · CollegeBoard · San Dieguito Union High School District · San Diego Unified School District

AFTERSCHOOL & ENRICHMENT

PERFORMING ARTS
- Visual Art
- Music
- Ballet
- Jazz
- Contemporary
- Music theatre
- Drama
- Sketch
- Creative Art
- Public Speaking
- Debate
- Reading Corner

LANGUAGE
- English
- Chinese
- Spanish

SPORTS
- Kung Fu
- Ping Pong
- Badminton
- Basketball
- Volleyball
- Chess

TECH LEADING
- Mental Math
- Math Kangaroo
- Noetic Math
- Math Olympiad
- Computer Programming
- Science
- Scratch Programming
- Python
- Lego Robotics

Passion and Curiosity

admin@gracechristianschool.org
www.gracechristianschools.us
10760 Thornmint Rd, San Diego, CA 92127
+1 858-568-8696

T-SV


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Access Control
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New



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Taste of Hunan

湘村人家于 2018 年开业，坐落于 Mira Mesa 东端，是一家专业经营湘菜的中餐馆，公司创始人 Tony 从事餐饮行业三十余年，秉持诚信经营，顾客至上，创新发展的理念。开业以来一直受到圣地亚哥各界人士的青睐和支持。

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