



旅美科技協會

Chinese Association for Science and Technology, USA

**Los Angeles Chapter**



# CAST-LA 2025 Annual Conference

-- Youth Research Science Expo and  
Artificial Intelligence (AI) Summit



**August 23, 2025, 8:30 – 5:00 pm**

## **VENUES**

Interdisciplinary Science and Engineering Building ,  
419 Physical Sciences Quad, Irvine, CA 92697



## WELCOME

Welcome to Chinese Association for Science and Technology - Los Angeles Chapter (CAST-LA) 2025 Annual Conference - Youth Research Science Expo and Artificial Intelligence (AI) Summit! We are thrilled to gather here today to celebrate decades of excellence, collaboration, and innovation within the Chinese- American scholarly and professional community.



CAST-LA is a chapter of Chinese Association for Science and Technology, USA (CAST-USA). Since its establishment in 1992, 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. With 16 local chapters and professional associations throughout the United States, as well as offices in global cities, we are a vast and interconnected

community committed to progress and mutual understanding.

As one of the largest chapters, CAST-LA was founded in 2002 and was registered with the Secretary of State's Office in California. CAST-LA is a 501(c)3 non-political, non-profit organization. Hundreds and thousands of CAST-LA members are driving forces behind scientific research, technological advancements, and cultural preservation in Fortune 500 corporations, esteemed American companies, universities, and research institutions. They come from various fields, including pharmaceutical, medical devices, biotech, information technology, finance, law and education etc. Most of them are technical personnel such as engineers, scientists, college professors, or managers and corporate executives.

CAST-LA 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. Since its establishment, the CAST-LA has received support from CAST-USA, other local chapters, various technology associations, enterprises in the greater Los Angeles area, and political leaders from all walks of life. CAST-LA successfully hosted the 2005, 2014, and 2023 CAST-USA Annual Conference.

The CAST-LA 2025 annual conference and AI summit embodies our commitment to fostering intellectual growth and collaboration. We have invited renowned figures to share their expertise and insights, sparking discussions on how cutting-edge STEM research changes our life. Topics cover artificial intelligence (AI), biological science, engineering etc. As we gather here, we reaffirm our dedication to establishing connections and partnerships with other professional associations in metropolitan Los Angeles areas, promoting the free exchange of ideas and knowledge within the bounds of ethical principles and intellectual property protection.

As we embark on this exciting journey during our 2025 Annual Conference and AI Summit, we will shape the future of science, technology, culture, and education, contributing to the advancement together.

Welcome to the CAST-LA family and enjoy the conference!



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CAST-LA 2025 年会和人工智能峰会

Jointly Hosted by Turtle Rock Science Club



One of the key missions for CAST is to foster science education and growth in the next generation. This year, CAST-LA collaborated with Turtle Rock Science Club to organize a Youth Science Research Expo, to celebrate curiosity, innovation, and the boundless potential of the next generation. By empowering middle and high school students to explore real-world scientific questions and present their findings to the community, we are nurturing critical thinkers and problem solvers who will help shape the future. This event serves as a platform to inspire young minds, promote scientific literacy, and foster a culture of inquiry, creativity, and collaboration.



Founded in the spring of 2022, the Turtle Rock Science Club is a student-led organization with a mission to inspire a lifelong love of science in young learners. The club is dedicated to building a strong community that supports students passionate about STEM, while preparing them to become future leaders in a science- and technology-driven world. Committed to inclusivity and accessibility, the club offers free STEM education, leadership development, and service opportunities to students and families in the local community. Since its founding, the club has provided free science classes to over 250 elementary and middle school students, led Science Olympiad training for local elementary schools, and hosted information

sessions about STEM opportunities such as science fairs, science bowls, and summer camps. The club also organizes workshops and seminars featuring academic and industry experts, along with engaging and educational field trips that bring science learning to life.

At a time when science and technology play an increasingly vital role in addressing global challenges, Youth Science Research Expo encourages students to engage with the world around them and develop the skills needed to make meaningful contributions. It also brings together students, educators, families, and professionals, strengthening the bridge between education and the broader community. By investing in young scientists today, we are cultivating a more informed, innovative, and resilient society for tomorrow.



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## Conference Partners

CAST-LA also partners with more associations for the conference and the youth science research expo.



**Peking University Alumni Association of Southern California (PUAASC)** which was founded in Los Angeles, California in 1985. Currently it has about 1300 registered members. Their first primary objectives of PUAASC is to promote the welfare of Peking University (PKU) by facilitating academic, cultural, business and educational exchange and cooperation with the research, educational, cultural, business and other institutions in Southern California. This aligns with the goal of the conference.



西安电子科技大学  
硅谷校友会

XIDIAN UNIVERSITY SILICON VALLEY ALUMNI ASSOC

**Xidian University Silicon Valley Alumni Association** plays an important role in the Youth Science Research Expo. The experienced engineers from the Association, working in cutting edge technology in Silicon Valley companies, offer unique viewpoints in the Expo review process.



Founded in 2016, the **Chinese University Alumni Association Alliance of Southern California (CUAAASC)** is a nonprofit organization uniting 82 alumni associations from Mainland China, Hong Kong, Macau, and Taiwan, with over 50,000 members in Southern California. It serves as a platform for connection, mutual support, and professional growth while actively engaging in community and charitable activities.



**Light of Life Union (LOLU)**, Gather the glimmers to illuminate life, is a California-registered 501(c)(3) nonprofit organization dedicated to the following four areas of community public service: 1. Empowering Independent Women; 2. Caring for Children with Special Needs; 3. Promoting Animal and Environmental Protection; 4. Fostering Cultural Exchange within the Chinese Community.



**Cathy Fun Fitness (Cathy Fun Fitness - CFF)** was established on March 28, 2020, and has sprung up from the West Coast to the East Coast of the United States, Canada, China, Malaysia, and other countries. It has allowed over 300,000 visits here, achieving "fitness, mental fitness, and heart."



**Learning Tree Group** is a professional application agency for study abroad for 18 years, integrates the advantages of American and Chinese institutions to provide more authentic and grounded services for students.





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## AGENDA

Irvine, CA August 23, 2025

Interdisciplinary Science and Engineering Building (ISEB) Auditorium (Room 1010)

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

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

*Welcome Remark*

a. Mrs. Haixia Gu, President of CAST-LA

b. Dr Zheng Sun, Professor of UC Irvine; Founder of Turtle Rock Science Club

*Official Remarks*

a. Judy Chu, the US House of Representatives

b. Fiona Ma, 34<sup>th</sup> State Treasurer of California

c. Scotty Hong, Irvine Council Executive Assistant, Representative of Mayor Larry Agran

d. Jorge Herrera Avila, San Gabriel City Councilor.

e. Dr. Paul Anthony Courtney, Former Mayor of Barstow (2020-2024)

**9:00-11:30** Keynote Speeches

**Conference Co-Chair: Dr Zheng Sun**, Professor of UC Irvine, Business School

**Speaker 1: Thomas Hou** (9:00-9:30)

Professor, California Institute of Technology, Member of National Academy of Sciences

Topic: The Math Behind Artificial Intelligence

**Speaker 2: Vidyanand ("VC") Choudhary** (9:30-10:00)

Professor of Information Systems and the Director of International Programs, UC Irvine.

Topic: The AI Revolution: How Artificial Intelligence Will Transform What You Do and Where You Work

**Sponsor talk** (10:00-10:30)

**Conference Co-Chair: Mrs. Eileen Tao**, Program Director of SAP

**Break and refreshment** (10:30-11:00)

**Conference Co-Chair: Mr. Howie Yu**, AM1300 broadcast program host

**Speaker 3: Laura Li** (11:00-11:30)

CEO of Breakthrough Genomics

Topic: AI in Genomic data analysis

**Speaker 4: Wei Li** (11:30-12:00)

Grace B. Bell Endowed Chair and Professor of Bioinformatics in the UCI School of Medicine.

Topic: Liquid Biopsy: the "holy grail" in diagnostic medicine

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12:00-13:30

**Lunch and Social Networking**

Lunch served in the courtyard dining area.

12:30-1:30

**Youth Research Expo Poster Session**

13:30-17:00

**Special Forums & Competition**

***Forum I: Youth Science Research Expo (ISEB Auditorium, Room 1010)***

Host Chair: Dr Zheng Sun, Professor of UC Irvine; Founder and Director of Turtle Rock Science Club

13:30-14:00 Keynote speech by Dr. Yifeng Yu, Professor of UC Irvine,

Topic: AI Grading of College Calculus Tests

14:00-15:30 Student Research Presentation

15:30-15:35 Magic Show Layla by Layla Xuehui Wu

15:35-16:15 Mini Science Bowls

16:15-16:30 Volunteer Award ceremony

16:30-16:45 Youth Science Research Award ceremony

***Forum II: Advances in Artificial Intelligence Research and Applications (ISEB Room 1200)***

Host Chair: Eileen Tao, Program Director of SAP

Co-Chair: Yu Bai, Professor of Computer Science, California State University, Fullerton

Speakers:

1. Prof. Dr. Tobias Schimmer, Head of Developer Experience at SAP

Title: Collaborating with AI to Build AI

2. Dr. Wei Wu, Professor at University of Southern California

Title: Nanotechnology Research in the AI Era

3. Dr. Jeff Ren, Software Engineering Manager at Google

Title: Pioneering AI Solutions in Education and Career Development

4. Dr. Yu Sun, Professor at California State Polytechnic University, Pomona, Founder of Coding Mind Academy

Title: AI in Education: Experience Sharing from Coding Mind Academy

5. Dr. Heidi Duan, AI Researcher at Claremont Graduate University, Founder of Growisely

Title: Reimagining Education in the Age of AI: How students, teachers, and families can thrive

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6. Dr. Tingting Chen, Professor at California State Polytechnic University, Pomona

Title: The Impact of AI on CS Undergraduate Education

7. Bill Wang, Founder and CEO of Agentech Inc

Title: AI Matching as Infrastructure

8. Dr. Wei Lu, founder of Rockhood.ai

Title: Real Estate Meets AI: From Data to Decisions

**Panelist Presentation 13:30- 15:30**

**Break 15:30-16:00**

**Panel discussion 16:00-17:00**

***Forum III: Career Development in AI Era (ISEB Room 1310)***

Host Chair: Anna Luo, Principal, Fehr & Peers

Co-Chair: Dr. Rui Wang, Software Engineer, Apple

David Liu, Software Engineer, Rivvan

Speakers:

1. Yiming Xu, Founder of Lobart Instrument

Title: Career Development in the Thriving Medical Device Industry

2. Cathy Peng, CEO of ROCS Global

Title: How to Land Your Dream Job: Strategies That Work

3. Dr. Ethan Sun, Principal Planner, City of Riverside

Title: Career GPS: Finding Your Path, Pivoting with Purpose, and Thriving with AI

4. Amy Jiang, Professor at University of La Verne, Founder of MIRA

Title: Navigating the AI landscape: Cross Major Skills for Tomorrow

5. Feng Hao, Senior Engineer, Microsoft

Title: The Future of Software Engineers in the Age of AI

6. Yi Deng and Jazmyne M. Quinones, Navy Recruiter at NTAG Southwest

Title: Recruitment Process and Requirements; Personal Growth and Challenges

**Panelist Presentation (13:30- 15:00)**

**Q&A Session (15:00 -16:15)**

**1 on 1 Discussion (16:15-17:00)**

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## National Youth Research Competition Award List

### High School Division

#### Category: Mathematics, Statistics, Software, AI

##### First Place

- Beyond Additivity: Sparse Isotonic Shapley Regression toward Nonlinear Explainability — Jialai She
- Intelligent Breathing Pattern Classification and Warning System—Hanyu Huang; Yiyan Xiong
- Reducing Carbon Emissions in AI Image Generation at the inference stage— Alvin Chen

##### Second Place

- How Accurately Can Different NLP Models Classify the Sentiment of Financial News? — Khushi Kamath
- Humpty Dumpty Points — Terry Huang
- Introduction to Continual Learning and Catastrophic Forgetting — Henry Huang
- Optimizing the performance of machine learning algorithms for UAV-based search-and-rescue systems — Chris Zheng

##### Honorable Mention

- depHy: Graph Neural Network-Driven Reaction-Pathway Optimization for Sustainable Chemical Synthesis — Courtney Goss
- Drone-guided, AI-assisted Detecting, Mapping, and Routing System — Danika Mei; Herbert Qin; Daniel Xie
- Integrating OpenAI's GPT-4.5 and NLP to Automate Adaptive Fitness Plan Generation — Anna Li
- Pawgress — Anita Qian

#### Category: Chemistry, Biochemistry, Molecular Sciences and Environmental Science, Renewable Energy & Sustainability and Zoology and Botany

##### First Place

- Analyzing Type A Influenza Genomes Using Fractal Patterns — Hannah Huang

##### Second Place

- Comparative Analysis of Heat Damage Detection Effectiveness in Epoxy Reinforced Carbon Fiber in Airplanes Between the NDE16 ThermalProbe (AJNDE16) and Infrared Thermography — Andrea Shi
- Predicting Global CO2 Emissions and Impact of AI Data Center Emissions Using Advanced Growth Models — Qinxian Zhu

#### Category: Mechanical Engineering, Electrical Engineering, Material Science and Physics, Astronomy, Fluid Mechanics, Aerodynamics, Earth Science

##### First Place

- Study of The Cycloidal Curves and The Application in Hydraulic Motor Design — Jialin Dong





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## Second Place

- Bioinspired Hybrid Wing for Mars: Pterosaur+Sailplane — Lawrence Lin
- Exo Ranker — A Fully Client-Side Visual-Analytics Framework for Earth-Similarity Assessment of Confirmed Exoplanets — Edward Xiong

## Category: Neuroscience, Cognitive Science, Behavioral Science and Pharmacology and Medical Sciences

### First Place

- Characterizing Cell Type and Temporal Expression Patterns of Novel Autism Risk Genes — Abigail Wang

### Second Place

- Causal Effect of Telomere Length and Epigenetic Ageing Acceleration on Health span — Qiu Hu; Gabriella Wang; Robert Yang
- Engineering a PD-1 Agonist Antibody with Enhanced Functionality for Rheumatoid Arthritis Therapy — Lawrence He
- Improving Embolization Efficacy: Capture Off-Target Magnetic Particles — Damacia Shang

## Middle School Division

### First Place Overall

Nature-Inspired Water Harvesting: The Role of Droplet Mobility — Suin Kim; Irene Huh

### Second Place Overall

- Colors of Paint- Which One is the Coolest? — Elizabeth Kwan
- Pavlov's Theory — Ethan Fan; Kavin Chand Krish; Rohan Vannadil

### Third Place Overall

- Further Progression Report: Ice Cream Chemistry — Annie Yan
- GhostEye Radar — Jonathan Zhao
- Low-Cost Lens-Based Intervention for Enhancing Color Differentiation in Individuals with Color Vision Deficiency (CVD) — Cathy Lin

### Honorable Mention

- Corrosion Damage and the Effects of Chemical Properties on Metal — Ariane Liang
- Prometheus: Harnessing Butterfly Wings' Secret Nanostructure for a Sportswear — Nubaid Al Faruque



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## Scan To Registration

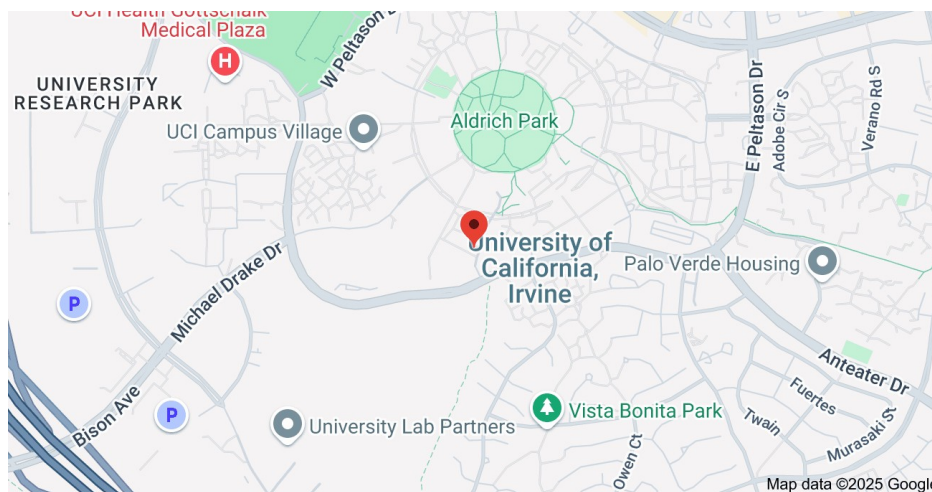


## VENUES

**Interdisciplinary Science and Engineering Building (ISEB)**

**419 Physical Science Quad, Irvine, CA 92697**

**(Parking lot 12A and 16)**



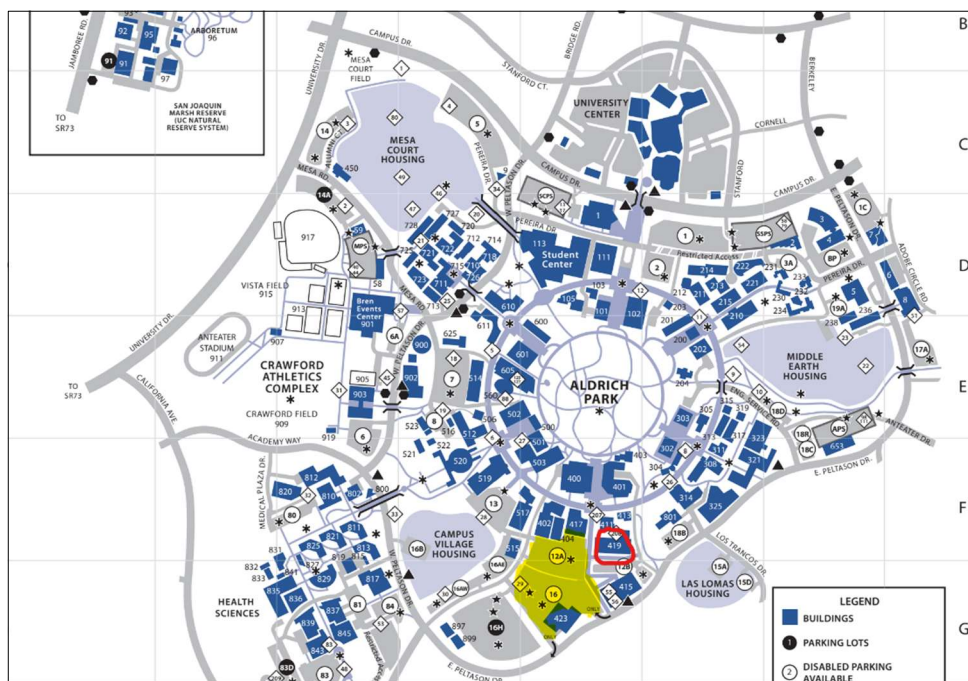
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Notes:

1. Poster session 10:30-13:30.
2. Sponsor Booth session 8:00-17:00.
3. Dressing of business or business casual is preferred.
4. Overhead fee or process fee can be avoided during registration check out if you check others and put 0 in the Contribution box.
5. Parking is covered for adult tickets. Please Check Yes for parking during conference registration and your name will be provided to the parking attendant. You can enter parking lot via **Michael Drake Entrance** or **East Peltason Entrance**. Pre-register your vehicle is preferred, and a link will be sent two days prior to the conference. If you have not already pre-registered, parking attendant will greet the guests and distribute a permit during 8:00 – 9:30am. There will be attendants at both entrances.

Valid Parking Location: **AR reserved and General (unmarked) stalls in Lot 16 and 12A.** (yellow marked region). Refer to the following map for parking and conference venues.





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## Conference Executive Team

### 1. Haixia Gu



Haixia Gu serves as the CAST-LA president since August 2024.

She has been an actuary for more than 18 years and served three Fortune 500 companies - Consec, Sunlife and Transamerica successively. She graduated with a master's degree in actuarial science from Ball State University. She received a B.S. degree in physics from East China Normal University.

Besides her actuary career, she is active in community service. She established the first volunteer team for the youngest age group, organized and managed the volunteer team and provided one-on-one assistance to special children. Through the team, she organized one STEM and two sports (tennis and basketball) volunteer activity groups, serving neurodiversity families regularly. As a core member, she organized the 7th anniversary Peer 1 on 1 conference. With all her dedicated work, she was recognized by the California State Assembly in April 2025.

### 2. Zheng Sun



Professor Sun is the Founder and Director of Turtle Rock Science Club; Director of CAST-LA academy.

Professor Zheng Sun is professor of finance at the Paul Merage School of Business of University of California - Irvine. Her primary research interests are empirical investments, institutional investors, mutual funds, hedge funds, bonds and loans. Professor Sun has published extensively in leading finance and economic journals and has given many presentations and discussions at top finance and economic conferences. She has also been invited to present at various regulatory agencies including SEC, Federal Reserve Board, Federal Reserve New York, and FINRA.

Before joining the Merage School, Professor Sun received her Ph.D. degree from the Stern School of Business at New York University, a master's degree in economics from Ohio State University and a bachelor's degree in economics from Peking University.

### 3. Howie Yu



Howie Yu currently serves as Chairman of the Foundation of CAST-LA. He has been an active member of CAST since May 2005. He served as CAST-USA president in 2014 and CAST-LA president from 2009 to 2011.

He works as Sr. Computer System QA at B. Braun Medical Inc. He is an IT professional with over 15 years of experience in biotechnology, drug development and pharmaceutical manufacturing and a subject matter expert in Computer System Validation (CSV) and Data Integrity. In his free time, he is also the TV/broadcast program host in AM1300.





## 4. Eileen Tao



Eileen Tao serves as Director of CAST-LA Public Relations. She is the chair of the AI forum.

She is a Principal Program Manager at SAP Customer Experience where she oversees program delivery, technology solutions and develop program strategy to achieve long term organizational goals. Eileen Tao has over 20 years of industry experiences leading engineering and product organizations, served in various leadership roles in Idemia, Safran and Motorola.

Eileen Tao is currently serving as the board member for multiple non-profit organizations, including Code The Spectrum and California State Polytechnic University-Pomona Department of Computer Science. Eileen Tao has a bachelor's and master's degree in computer science from Bradley University and a master's degree from George Washington University.

## 5. Yu Bai



Professor Bai serves as Director of CAST-LA Innovation and Entrepreneurship. He is the Co-Chair of the AI forum.

Dr. Yu Bai is a leading expert in artificial intelligence and high- performance computing. He is an Associate Professor of ECE at CSU Fullerton and an adjunct professor with UC Irvine. He currently serves as the Director of the Joint Research Laboratory for Intelligent Computing. His research interests include artificial intelligence (AI), embedded hardware, neuromorphic computing, nano-scale computing system with novel silicon and post-silicon

devices, and low-power digital and mixed-signal complementary metal oxide semiconductor (CMOS) circuit design. His research on artificial intelligence, in areas of application ranging from unmanned robots to improving academic performance in STEM, has been supported by grants from the Army Research Office, the National Science Foundation, and the National Academies of Sciences, Engineering, and Medicine. 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.

## 6. Anna Luo



Anna Luo serves as Director of CAST-LA Communications. She is the Chair of the Career Forum.

Anna Luo is a Principal with Fehr & Peers, where she oversees project delivery and leads the operations team for the Southern California region. With over 20 years of experience in the industry, she works closely with regional agencies, local cities, and private sectors to manage and deliver infrastructure projects from planning to design. Anna provides creative solutions that address the needs of her clients within challenging project constraints, and she worked with OCTA to develop the first Orange County Countywide Corridor Operations





Performance Report and worked with LA Metro on the first of its kind progressive design build project for the G Line Bus Rapid Transit, which is expected to complete in 2027 ahead of the 2028 Olympic and Paralympic games. As a recognized operations expert, Anna has published and presented several papers at domestic and international journals and conferences and served as the guest instructor at Cal Poly, UC Berkeley, and UCI.

As an Orange County resident, Anna is passionate about serving the communities and actively engaged with community activities and has served as an officer for various volunteering associations. She currently serves as the Transportation You Chair on the WTS Orange County Chapter Board and has led the Annual Girls Engineering Day from 2021 to 2025, providing a venue to introduce engineering and provide mentoring to more than 300 junior high and high school students.

## 7. Rui Wang



Dr. Rui Wang serves as Director of CAST-LA Career Development. He is the Co-Chair of the Career Forum.

Dr. Rui Wang got his bachelor's degree in mechanical engineering from Beijing Institute of Technology and PhD in Electrical Engineering from NC State University. He worked with Ford for 7 years on battery control software for hybrid/electric vehicles. He is currently a senior engineer with Apple working on

battery control algorithms.

## 8. David (Zhiqiang) Liu



David (Zhiqiang) Liu serves as Director of CAST-LA Education. He provides IT technical support for the conference and Co-Chair of the Career Forum.

Zhiqiang Liu is a senior firmware and embedded engineer in the semiconductor and telecom industries. He used to work in Rivian, Meta, Qualcomm, Apple and J2 Global Communications. He likes to study real estate, stock and investing. His hobbies include sailing, skiing, bowling ball and other sports.

## 9. Diana Talyor



Diana Taylor serves as Director of CAST-LA Organization, the onsite event organizer and volunteering service coordinator of the conference.

Diana Taylor has been working in the field of education for over 16 years, with a strong focus on early childhood development and autism-related behavioral therapy. She holds a Montessori teaching certification and is a Certified Positive Discipline Parent Educator, blending structured learning with respectful and compassionate guidance to support young children and their families.

Driven by her deep love for children and commitment to inclusive education, Diana founded Path of Hope Network, a nonprofit organization dedicated to supporting families of children with autism while cultivating leadership and service opportunities for youth volunteers. Through this work, she

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continues to promote empathy, empowerment, and growth in the community.

## 10. James Tian



Jinghua Tian (James) serves as Director of CAST-LA External Relations. He is volunteering service coordinator of the conference.

Mr. Tian is a computer engineer, science writer, educator, novelist. He was one of the compilers of national adult high school physics syllabus in China.

Tian currently focuses on the research of science and technology.

## 11. Roger Sun



Dr. Roger Sun serves as Director of CAST-LA Daily Living. He oversees the conference supplies.

Dr. Roger Sun is a licensed real estate professional and a 5-star Zillow Top Agent who brings valuable experience from the industrial sector into his real estate practice. Over the years, he has developed a strong skill set through close client collaboration, leading R&D on pilot projects, and consistently delivering top-tier service. His strength in data analysis and AI adds a unique edge to his work. Beyond his professional career, Roger is also passionate about giving back—he volunteers at cultural events and takes an active role in local community initiatives. His leadership skills were honed during his time at a Fortune 500 company, where he successfully led teams, drove growth, and built strong team dynamics.

## 12. Wenhai Ji



Dr. Wenhai Ji serves as General Secretary of CAST-LA. He provides general support for the conference.

Dr. Wenhai Ji is an applied spectroscopist. He makes a living by studying spectroscopy and analyzing spectra. The spectral instruments with his innovation have served the customers in various fields. He received his PhD in optical physics from the University of Oregon.



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## Officials



**Fiona Ma, CPA**

**California State Treasurer**

马世云

加利福尼亚州财政部长



### **Congratulatory letter for CAST-LA2025**

August 23<sup>rd</sup>, 2025

Dear Chinese Association for Science and Technology – Los Angeles Chapter,

I extend my heartfelt congratulations on the successful organization of the CAST-LA 2025 Annual Conference and Artificial Intelligence Summit.

By advancing exploration in artificial intelligence and empowering the next generation of scientific talent, your organization is helping shape a brighter, more connected future. Your contributions continue to enrich our academic and technological communities and exemplify the spirit of collaboration and progress.

Congratulations once again on this meaningful achievement. I wish you continued success in advancing science and education.

谨向中国旅美科技协会（洛杉矶分会）热烈祝贺 2025 年度大会暨人工智能高峰论坛圆满举办！

通过倡导人工智能领域的探索与实践、赋能新一代科技人才，贵会正携手社会各界，共同开创一个更加光明与互联的未来。贵会的努力不仅丰富了我们的学术与科技生态，也树立了协作共赢的典范。

再次祝贺大会成功举办，并预祝贵会在推动科学与教育事业方面不断取得新的卓越成就！



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## Larry Agran, Mayor of Irvine



Larry Agran graduated Phi Beta Kappa from the University of California at Berkeley in 1966, majoring in history and economics. In 1969, he graduated with honors from Harvard Law School, where he specialized in public interest law.

Larry has served as Legal Counsel to the California State Senate Committee on Health and Welfare. He has taught legislation and public policy at the UCLA School of Law and the Paul Merage School of Business at UC Irvine.

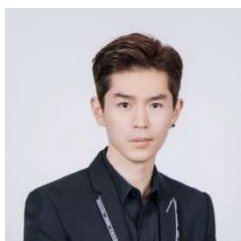
Larry Agran first served on the Irvine City Council from 1978 to 1990, including six years as Mayor. Under his leadership, Irvine received national recognition for its pioneering programs in child care, affordable housing, recycling, and open space preservation.

Larry Agran returned to service on the Irvine City Council on November 3, 1998. He was elected Mayor of Irvine in November 2000. After completing two consecutive terms as Mayor, he was elected to two consecutive terms as an Irvine City Councilmember, serving until 2014. Following a six-year hiatus, Irvine voters returned Larry Agran to the City Council in November 2020. He was re-elected to the Irvine City Council in 2022.

Determined to return good planning and good government to Irvine, Larry Agran was elected Mayor in 2024, marking his eighth nonconsecutive term in this role. Larry is also the City of Irvine representative to the National League of Cities, the League of California Cities, the California Big City Mayors Coalition, the Orange County City Selection Committee, and the Irvine Ranch Water District/City of Irvine Coordinating Committee.

## Scotty Hong, Representative of Mayor Larry Agran

### MPA, Irvine Council Executive Assistant



Scotty Hong holds an MPA from Cornell University's Brooks School of Public Policy and completed his undergraduate studies at Harvard University. A proud member of Pi Alpha Alpha, the national honor society for public affairs and administration, Scotty serves as an executive assistant to the Mayor of Irvine, focusing on legislative affairs and special projects.





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## Jorge Herrera Avila, City Councilor of San Gabriel



Jorge Herrera Avila is a dedicated public servant whose life and career exemplify hard work, perseverance, and leadership. With a Bachelor's degree in Political Science with an emphasis in Pre-Law from California State University, Los Angeles, Jorge has turned his passion for community service into a lifelong mission to make San Gabriel a better place for all its residents.

Jorge began working at the age of 16, building a career that reflects his dedication to service and community. He spent 15 years at SoCalGas, one of the nation's largest utility companies, where he worked in customer service. There, he developed skills in problem-solving, reliability, and collaboration—values that continue to guide him today. Later, as a Municipal Manager for the second-largest waste hauler in the United States, Jorge managed multi-million-dollar contracts and worked closely with city leaders to implement initiatives that positively impacted communities across the region.

Jorge's leadership experience includes:

- Former Commissioner, City of San Gabriel
- Community Advisory Board Member, KCET/PBS SoCal
- President, South Bay Chinese American Association
- Deputy Director, Flying Tiger Institute
- Founder, San Gabriel for Change (SG4C), a nonprofit youth leadership organization
- Honorary Community Representative for California State Treasurer Fiona Ma

Jorge is deeply committed to three key priorities: public safety, infrastructure improvement, and youth empowerment. His vision is to create a city where families feel safe, infrastructure is modern and reliable, and young people have access to opportunities that help them thrive.





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## Dr. Paul Anthony Courtney



- **Education:** Doctorate in Business Administration & Entrepreneurship (California InterContinental University), and advanced degrees in Psychology (BA), Business Management (MA), and Criminal Justice (AA).
- **Executive Committee Member, California Investment Forum**, driving global economic growth through innovation in renewable energy, AI, biotech, and sustainable development.
- **Former Mayor of Barstow, California (2020–2024)**, leading strategic initiatives in infrastructure, economic revitalization, and community empowerment.
- **Founder & CEO of P.A.C.E. Services Corporation**, overseeing multi-million-dollar operations providing cleaning & facility services to utilities, private industries, and federal agencies.
- **President & Director of the Entrepreneur Resource Center (ecBarstow.com)**, advancing opportunities for local businesses, students, and entrepreneurs.
- **Educator & mentor**, with a background as Associate Professor at Park University and Barstow Community College, teaching Business, Management, and Administration of Justice.
- **U.S. Presidential appointee to the Selective Service Board**, nationally recognized with a United States Presidential Citation (Bob Dole) and California Businessman of the Year (Newt Gingrich).
- **Community builder**, founding member of the Barstow Area Community Coalition, local NAACP chapter, African American Chamber of Commerce, and active leader in Rotary International District 5300 and Sigma Pi Phi Fraternity.
- **Guided by faith and family**, sharing life with his wife Melonie and their blended family of four children, who inspire his unwavering commitment to building stronger, more resilient communities.



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## Keynote Speaker

### 1. Dr. Thomas Hou



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.

### 2. Dr. Vidyanand ("VC") Choudhary



Dr. Vidyanand ("VC") Choudhary is a professor of Information Systems and the Director of International Programs. He is an authority on competitive strategy for technology products and AI. His research interests are in the economics of information systems; business impact of AI and Machine Learning; Boosting creativity and innovation; use of recommender systems and search tools; impact of technology on corporate governance; marketing strategy and pricing of cloud and SaaS products; and pricing and product line design of information goods.

His research has been published in several top-tier journals including Management Science, Information Systems Research, MIS Quarterly, Production and Operations Management Journal and the Journal of Management Information Systems.

He currently teaches courses on data management, AI and machine learning, and global business strategy.

He has served in a variety of other roles including Senior Associate Dean (Faculty Dean), Associate Dean of Undergraduate Programs, and Faculty Chair.



### 3. Dr. Laura Li



Dr. Li serves as the CEO of Breakthrough Genomics. She previously held multiple executive positions as the Lab Director at Illumina Clinical Lab and Associate Director at Children's Hospital Los Angeles. A renowned, U.S. Board-certified Clinical Molecular Geneticist, Dr. Li is a leading pioneer in applying Artificial Intelligence in the fields of genetics and genomics.

Throughout her career, Dr. Li has been a featured speaker at a number of high-profile international conferences including Illumina Understand Your Genome Symposium, The City of Hope Cancer Symposium, and the California Investment Forum. She is also a published author in over a dozen peer-reviewed scientific publications including in the American Journal of Human Genetics, American Journal of Medical Genetics, Molecular Cell Biology, Journal of Next Generation Sequencing and Application, Genetic Medicine, and many others.

Dr. Li holds a Ph.D. from the Johns Hopkins School of Medicine and is board-certified by the American Board of Medical Genetics and Genomics. She serves on the ClinGen Gene-Disease Curation Expert Panel and led Breakthrough Genomics to become a major contributor to the ClinVar database. In 2018, she was honored as Woman of the Year by the San Diego International Association of Women. In 2024, Dr. Li received the Breakthrough Medical Technology in Diagnostics Award from the California Innovation Foundation.

### 4. Dr. Wei Li



Prof Wei Li is Grace B. Bell Endowed Chair and Professor of Bioinformatics in the UCI School of Medicine.

His research is focused on the design and application of bioinformatics algorithms to elucidate global regulatory mechanisms in normal development and diseases such as cancer. He has a solid track record in large-scale genomics data analysis and the development of widely used open-source bioinformatics software, such as MACS (>9,000 citations) for ChIP-seq and RSeqQC (>1,200 citations) for RNA-seq. In collaboration with experimental biologists, we have used bioinformatics to gain novel biological insights into development, aging, stem cell, neurologic disorders, and various cancers. His major contributions to science include the following: (1) uncovered several novel links between chromatin modifications and cancer driver gene regulation; (2) alternative polyadenylation (APA) is the first of its kind to connect APA regulation to many human complex traits and diseases. (3) cell heterogeneity in DNA methylation has now been quickly adopted in clinical trials for early cancer detection by liquid biopsy. Since establishing his own bioinformatics lab in early 2008, he has (as of 03/2021)

- \* Published ~160 peer-reviewed papers through solid methodology development and extensive collaboration research, including 23 senior-author papers in Nature, Cell, and Science series.
- \* Been well-funded with 3 R01 grants from NIH.
- \* Mentored the first 8 postdoc trainees to start their independent faculty positions.



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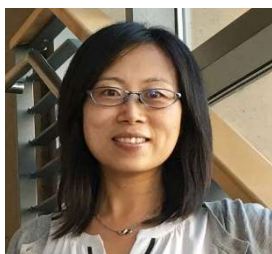
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## National Youth Research Exposition Program Committee

### 1. Professor Zhaoxia Yu, Committee Chair



Professor Zhaoxia Yu is a professor of Statistics at UCI. Her research focused on statistical modeling — in particular statistical genetics, biological imaging and bioinformatics. Her main research interest is methodological development to address statistical challenges, especially when analyzing multivariate and high dimensional data collected in biological, medical, and behavioral studies. Professor Yu aims to help researchers make appropriate and better use of data and help a general audience understand and interpret statistical results. With her statistical expertise, she has collaborated with local researchers on various interesting problems, such as music trends in the past few decades and genetic

impacts on blind dating.

### 2. Professor Yifeng Yu, Keynote Speaker



Professor Yifeng Yu is a faculty member in the Department of Mathematics at the University of California, Irvine. His research centers on nonlinear partial differential equations and their applications in science and engineering. In particular, he is interested in optimal control, combustion theory—especially how the turbulent flame speed depends on various physical parameters—and diffusion models in machine learning. Professor Yu is a recipient of the National Science Foundation (NSF) CAREER Award.

### 3. Professor Yu Bai, Director of CAST-LA Innovation and Entrepreneurship



Professor Yu Bai is an Associate Professor of Computer Engineering at California State University, Fullerton. His research interests include artificial intelligence (AI), embedded hardware, neuromorphic computing, nano-scale computing system with novel silicon and post-silicon devices, and low-power digital and mixed-signal complementary metal oxide semiconductor (CMOS) circuit design. His research on artificial intelligence, in areas of application ranging from unmanned robots to improving academic performance in STEM, has been supported by grants from the Army Research Office, the National Science Foundation, and the National

Academies of Sciences, Engineering, and Medicine.

### 4. Professor Long Chen



Professor Long Chen is a professor of Mathematics at UCI. Professor Chen's research focuses on the numerical solution of partial differential equations, as well as broader topics in machine learning and computational mathematics. He developed the iFEM finite element software package, which has greatly facilitated the teaching and research of finite element methods. Professor Chen has published over 80 academic papers in internationally recognized journals and serves on the editorial boards of several SCI journals. His work has been consistently supported by the National Science Foundation. Additionally, he runs a WeChat account, CAMtips, where he shares insights on learning and research in computational and

applied mathematics.





## 5. Professor Yunan Chen



Professor Yunan Chen is a professor of Informatics in the Donald Bren School of Information and Computer Sciences at the University of California, Irvine (UCI), with an adjunct appointment in the Joe C. Wen School of Population and Public Health, College of Health Sciences.

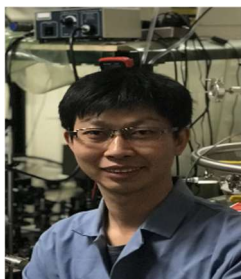
Her area of research lies at the intersection of Human-Computer Interaction (HCI), Computer Supported Cooperative Work (CSCW), and Health Informatics. She is primarily interested in studying how health information is generated, managed, shared, and utilized to drive better healthcare in both clinical and patient-oriented settings.

## 6. Professor Wenlong Jin



Professor Wenlong Jin is a professor of Civil and Environmental Engineering, Institute of Transportation Studies, California Institute for Telecommunications and Information Technology, UCI. His primary research interest is in modeling and control of movements of people and goods in multi-modal transportation systems as flows in different spatial-temporal domains.

## 7. Professor Shaowei Li



Professor Shaowei Li is an Assistant Professor in the Department of Chemistry and Biochemistry at the University of California, San Diego. Professor Li's research focuses on developing advanced imaging techniques that combine laser spectroscopy with scanning tunneling microscopy (STM) to surpass the diffraction limit, enabling the exploration of nanoscale phenomena in low-dimensional quantum materials. His work encompasses ultrafast laser spectroscopy, STM, surface dynamics, and the study of strongly correlated systems. He has received several accolades, including the Hellman Fellowship from the Hellman Foundation in 2022, the Early Career Award from the AVS Nanoscale Science and Technology Division in 2020, and the Outstanding Dissertation Award from the OCPA in 2019. At UCSD, Professor Li leads the SMALL (Scanning probe Microscopy And Laser Laboratory) research group.

## 8. Professor Xiaoyan Lu



Dr. Xiaoyan Lu is a tenure-track chemistry professor at Irvine Valley College (IVC) in Irvine, California. She holds a Ph.D. in chemistry and has an interdisciplinary background spanning materials science, energy storage and conversion, and drug delivery research. Her research focuses on organic chemistry, nanobiochemistry, and nanotechnology. In addition to her academic work, Dr. Lu actively contributes to the chemistry community through initiatives such as the National Chemistry Olympiad program and student-focused industry chemistry education.



## 9. Professor Ray Luo



Professor Ray Luo is a professor at the University of California, Irvine (UCI), holding appointments in the Department of Molecular Biology and Biochemistry within the School of Biological Sciences, as well as joint positions in Biomedical Engineering, Chemical and Biomolecular Engineering, and Materials Science and Engineering in the Henry Samueli School of Engineering. Professor Luo's research centers on computational structural biology and biophysical chemistry. His work involves developing reliable and efficient computational methods to study and predict biomolecular structures, functions, and intermolecular interactions at atomic detail. This includes computational analysis of solvation-mediated biomolecular energetics and dynamics, focusing on both polar and nonpolar interactions, which are crucial in studies of molecular recognition and applications to drug design and discovery.

## 10. Professor Xiaoyu Shi



Xiaoyu Shi is an Associate Professor in the Departments of Developmental and Cell Biology, Chemistry, and Biomedical Engineering at the University of California, Irvine. Her research group uses optical and chemical approaches to develop super-resolution microscopy and spatial multiomics methods. She uses these cutting-edge technologies to study the molecular and cellular mechanisms of aging and cancers. Prior to UC Irvine, she received training in super-resolution microscopy and nonlinear optics during her postdoctoral research with Dr. Bo Huang at UCSF and her Ph.D. studies with Dr. Cheuk-Yiu Ng at UC Davis. Professor Shi is the recipient of the NIH Director's New Innovator Award (DP2), the NIH Pathway to Independence Award (K99/R00), Chan Zuckerberg Initiative Frontiers of Imaging Award, and the Hellman Fellow.

## 11. Professor Yun Wang



Professor Yun Wang is Professor of Mechanical and Aerospace Engineering, at UC-Irvine. Dr. Wang is interested in multi-phase multi-component transport, CFD, batteries, fuel cells, computational modeling, thermo-fluidics, and turbulent combustion. Dr. Wang's work emphasizes exploration on fundamentals of the physicochemical processes in advanced energy systems. His current research activities focus on the computational modeling and experimental diagnostics of polymer electrolyte fuel cells (PEFCs). He has proposed a comprehensive PEFC model fully coupling flow, transport, and electrochemical processes as well as including a detailed MEA (membrane electrode assembly) model. Another contribution of Dr. Wang is development of a 3D dynamic model which considers all the major transient processes occurring in a PEFC, such as gas transport, water accumulation in the membrane, and electrochemical double-layer discharge. His recent work investigated the microstructures of carbon papers and carbon clothes and proposed a structure-performance relationship of gas diffusion layers, which is one step toward developing a science-based framework for selection of materials for next-generation, high-performance gas diffusion media.



## 12. Professor Yoonjin Won



Professor Yoonjin Won is Associate Professor of Mechanical and Aerospace Engineering at UC Irvine. Dr. Won's overarching research goal is to gain fundamental insights into nanoscale interfacial and transport physics, centering on keywords—data-driven approach, machine learning models, extreme computing, and materials design. The research efforts aim to bring transformational efficiency enhancements in energy, water, manufacturing processes, and electronics cooling by fundamentally manipulating liquid-solid-vapor interactions and transport phenomena across multiple length and time scales. Dr. Won is recognized with an NSF CAREER in 2018 and has also received several awards including the ASME EPPD Early Career Award 2018, The Emerging Innovation/Early Career Innovator of the Year 2020 from UCI Beall Innovation Center, ASME EPPD Women Engineer Award 2020, ASME ICNMM Outstanding Leadership Award 2019, UCI Samueli Career Development Fellowship, and numerous best paper and poster awards.

## 13. Professor Baolin Wu



Professor Baolin Wu is a professor of Epidemiology & Biostatistics at UC Irvine. Prof. Wu's expertise lies in the broad area of biostatistics, bioinformatics, clinical trials, statistical genetics, genetic epidemiology, and machine learning. He has been actively collaborating with many investigators, helping them solve the scientific research questions and making translational impact. His own methodology research has motivated these collaborative projects and focused on developing novel statistical and computational methods that can more efficiently extract useful and accurate information from the vast amount of data available.

## 14. Professor Jing Xia



Professor Jing Xia is a Professor in the Department of Physics and Astronomy at the University of California, Irvine. Professor Xia's research focuses on quantum materials, topological phases, low-temperature physics, and the development of ultra-sensitive optical instrumentation, such as the loopless Sagnac interferometer for detecting broken time-reversal symmetry in unconventional superconductors. His work explores topological insulators, superconductors, 2D materials, and strongly correlated electron systems. Among his many honors, he is a Fellow of the American Physical Society and a recipient of the Sloan Research Fellowship, NSF CAREER Award, and the Lee-Osheroff-Richardson Prize. He is the founding Editor-in-Chief of Materials Today Quantum and previously served as Editor-in-Chief of Materials Science and Engineering B.

## 15. Professor Liangzhong Xiang



Professor Liangzhong Xiang holds joint faculty appointments in the Departments of Radiological Sciences and Biomedical Engineering at the University of California, Irvine. His research is centered on biomedical imaging, with a focus on developing novel ultrasound-based technologies. His laboratory, the TRUE Lab (Theranostics with Radiation-induced Ultrasound Emission), has pioneered Radiacoustic Imaging for applications in image-guided radiotherapy and atrial fibrillation treatment.



#### 16. Professor Xiaohui Xie



Xiaohui Xie is a professor in the Department of Computer Science at UC Irvine, where he has been since 2007. He received his PhD from MIT and completed his postdoctoral training at the Broad Institute of MIT and Harvard University. Professor Xie's research interests encompass artificial intelligence (AI), machine learning, deep learning, neural networks, and genomics. He has made significant contributions to the development of deep learning models for biomedical applications, including automated medical image analysis and genomic data interpretation.

#### 17. Prof. Xiangmin Xu



Prof. Xiangmin Xu is a Chancellor's Professor of Anatomy & Neurobiology, Biomedical Engineering, Computer Science, and Microbiology and Molecular Genetics at the University of California, Irvine. He is the Director for the UCI Center for Neural Circuit Mapping. Dr. Xu's interests are in neural circuitry, which applies to understanding the neurobiology of sensory perception, learning and memory, stress, and brain diseases. Understanding how neural circuits give rise to perception, cognition, and behavior is central to understanding how the brain works. This is also key to understanding the mechanistic basis of neurological disorders. His research focuses on understanding cell-type specific cortical circuit organization and function, using combined approaches of electrophysiology, optical stimulation and imaging, molecular genetics and viral tracing. Their research work has significant potential for translational applications for better treatments of neurodevelopmental disorders and neurological diseases. Dr. Xu's recent research directions include 1) using the latest single cell genomic technologies coupled with functional circuit mapping and behavioral analysis to determine how the transcriptome and epigenome shape neural circuit activity and learning and memory behaviors that change with aging and Alzheimer's disease progression; 2) applying our findings towards treating Alzheimer's disease based on our conceptual advances in circuit manipulation-based strategies in animal models and using human brain tissues.

#### 18. Professor Jin Yu



Professor Jin Yu is an assistant professor of physics & Astronomy at University of California, Irvine. Her research specializes in computational biophysics, focusing on the modeling and simulation of biomolecular systems. She employs advanced computational techniques to investigate the structural dynamics and energetics of biological macromolecules, contributing to a deeper understanding of their functions at the molecular level. Professor Yu earned both her Bachelor of Science and Master of Science degrees in Physics from Tsinghua University. She then completed her Ph.D. in Physics at the University of Illinois at Urbana-Champaign. Following her doctoral studies, she conducted postdoctoral research at the UC, Berkeley.

#### 19. Professor Xiangwen Zhang



Professor Xiangwen Zhang is a professor of Mathematics at UC Irvine. Professor Zhang's research focuses on geometric analysis, particularly in geometric partial differential equations (PDEs), complex geometry, and their applications in theoretical physics. His work includes studies on geometric flows, such as the Type IIA flow, which relates to flux compactifications in Type IIA superstring theory and can be interpreted as a coupling of the Ricci flow with a scalar field. Additionally, he has contributed to generalizations of classical Minkowski formulae in Lorentzian manifolds, leading to Alexandrov-type theorems for space-like submanifolds.

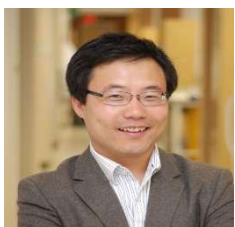


## 20. Professor Min Zhang



Professor Min Zhang is a professor in the Department of Epidemiology & Biostatistics and director of Biostatistics Shared Resource of the UCI Chao Family Comprehensive Cancer Center. Her research includes statistical inference for -omics data including genomic, epigenetic, transcriptomic, proteomic, and metabolomic data (e.g., bulk and single-cell RNA-Seq, single-cell ATAC-Seq, nuclear magnetic resonance spectra data, and mass spectrometry data); statistical methods for genome-wide association studies (GWAS, both family-based and population-based); genomic selection; integrative omics data analysis; machine learning; quantitative trait loci (QTL) mapping; molecular marker profiling; statistical and computational methods for biomarker identification; transcriptome-wide gene regulatory network construction. Prior to UCI, she was at Purdue University, where she was a Professor in the Department of Statistics for nearly 20 years and the Associate Director of Data Science at the NCI-designated Purdue University Center for Cancer Research.

## 21. Professor Weian Zhao



Professor Weian Zhao is Professor and entrepreneur at the Sue and Bill Gross Stem Cell Research Center, Chao Family Comprehensive Cancer Center, Department of Biomedical Engineering, and Department of Pharmaceutical Sciences at University of California, Irvine. Dr. Zhao is also a co-founder of several start-up companies that aim to develop technologies for rapid diagnosis, stem cell therapy, and drug discovery, respectively. Dr. Zhao's research aims to 1) elucidate and eventually control the fate of transplanted stem cells and immune cells to treat cancer and autoimmune diseases, and 2) develop novel miniaturized devices for early diagnosis and monitoring for conditions including sepsis, antibiotic resistance and cancer. His work has been published in many top journals such as Science Translational Medicine and Nature Biomedical Engineering. Dr. Zhao has received numerous awards including the MIT's Technology Review TR35 Award: the world's top 35 innovators under the age of 35, NIH Director's New Innovator Award, and UCI Innovator of the year.

## 22. Professor Jianming Bian



Professor Jianming Bian is a Professor of Physics and Astronomy at the University of California, Irvine, specializing in experimental particle physics with a focus on neutrino experiments. His group is involved in major international neutrino collaborations including NOvA, DUNE, and Super-Kamiokande, working on topics such as neutrino mass ordering, CP violation, and detector development. He also applies advanced deep learning methods—including kinematic reconstruction, Bayesian inference, and transformer models—to enhance neutrino data analysis. He currently serves as the co-Chair of the DUNE AI/ML forum committee and co-Convenor of the NOvA Reconstruction and Machine Learning Group.





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### 23. Dr. Sharon Lu



Sharon Lu, with a Ph.D. in Materials Science and Engineer from Massachusetts Institute of Technology, had worked in a few Fortune 500 companies doing polymer related research. She then transitioned into IT field and had worked as a software engineer in several companies before joining Robert Half. She is now a DevOps Engineer, focusing on the application development on AWS cloud.

### 24. Dr. Jinwen Wang



Dr. Jinwen Wang, is Sr. manager in Molex LLC. He is leading a global program management team, driving optical module and system product development applied in the field of Datacom, Telecom, and AI networking. Dr. Wang has 20+ years' experience in semiconductor chip and packaging technologies utilized in hard disc drive, laser, and optics industries. Prior to Molex, he was a Sr. program manager with Lumentum and Sr. engineering manager in Western Digital. He has been delivering multiple generations of magnetic heads, VCSEL and edge emitter laser diodes, optical transceivers, LiDAR, EDFAs, and ROADMs. He holds PhD of chemical engineering with research on half metal thin films applied in spintronics and MBA focused on operation management.

### 25. Dr. Haohua (Charlie) Zhou



Principal hardware Architect, Microsoft | IEEE Senior Member.  
He has held roles including CASPA-2022 President, TSMC North America Technical Manager, youth STEM/leadership club coach.  
He is technical leader in new business under Onsemi/Exar CTO office and startup company IC Media which acquired by Magnachip.  
He is a Senior technologist with 24 years' experience in semiconductor Design/Architect and Leadership, has developed AI Accelerator, SmartGlass, CMOS image sensor, Security camera. PMIC products.  
He is pioneered in digital power, Integrated Voltage regulator, Crypto hardware. He holds 15 U.S. patents, publish 10 papers and earned his EE Ph.D. from Fudan University and earlier degree from Xidian University.





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## “Artificial Intelligence Forum” Speakers and Panelists

### 1. Prof. Dr. Tobias Schimmer, Head of Developer Experience at SAP



Prof. Dr. Tobias Schimmer is SAP's global head of developer experience. He previously served as a chief development expert for SAP's Industry Cloud business unit and principal product manager and co-founder for SAP's Innovation Center in Newport Beach. Since joining SAP in 2009, Tobias has led various strategic initiatives in product engineering, including lean and agile software development, design thinking, and business model innovation. Tobias is also actively involved in research and teaching enterprise software engineering, holding positions at the University of Mannheim and the University of California, Irvine. Outside of work, Tobias is passionate about his family, fitness, and mentoring young talent including his own kids.

### 2. Dr. Wei Wu, Professor at University of Southern California



Dr. Wei Wu graduated from Peking University with a BS in Physics in 1996 and received a Ph.D. in Electrical Engineering from Princeton University in 2003. He is a Professor at the Ming Hsieh Department of Electrical and Computer Engineering, University of Southern California. His work includes nanoimprint lithography and applications in nano-electronics, AI accelerator circuits, nano-photonics, plasmonic, chemical sensing, and nano-electrochemical cells. He has 121 granted US patents. Half of them were also filed internationally. His H-index is 54. He is a co-editor of Applied Physics A, an associate editor of IEEE Transactions on Nanotechnology, and an associate editor of Nanomaterials. He is a Fellow of the National Academy of Inventors (NAI). He was also an IEEE Nanotechnology Council 2015 and 2016 distinguished lecturer, and a recipient of the USC Stevens Center for Innovation Commercialization Award 2020.

### 3. Yu Sun, Professor at California State Polytechnic University, Pomona, Founder of Coding Mind Academy



Dr. Yu Sun is a full professor in the Department of Computer Science at California State Polytechnic University, Pomona, and also holds a tenured position in the Department of Computer Science at Vanderbilt University. He is the founder of Coding Mind, a K-12 computer science education academy. Dr. Sun serves as the director of several national computing education initiatives, including the California State Certification Program for Computer Science Teachers, the NSA-sponsored Cybersecurity Training Program for Youth, the NSF-funded Broadening Participation in Computing (BPC) initiative. His work focuses on advancing inclusive computing education and mentoring the next generation of innovators in AI and software engineering.

### 4. Bill Wang, Founder and CEO of Agentech Inc



Bill Wang is the Founder and CEO of Agentech, Inc., an AI startup based in Irvine, California, dedicated to bridging cutting-edge artificial intelligence with real-world applications. With an academic background spanning applied mathematics, data science, and computer science, he brings deep technical expertise and interdisciplinary insight into AI product design. Prior to founding Agentech, he led multiple ventures in AI education and smart agriculture, experiences that shaped Agentech's mission to deliver standardized, automated, and interpretable AI infrastructure. Under his leadership, the company's flagship product, VORLID, is setting new standards for visual AI across industries.



## 5. Dr. Heidi Duan, AI Researcher at Claremont Graduate University, Founder of Growisely



Dr. Heidi Duan is an experienced researcher in Information Systems and Technology, dedicated to advancing technology-empowered education. She holds a master's degree from Peking University and a Ph.D. from Claremont Graduate University in the United States. Her research focuses on generative AI, interdisciplinary learning, AI applications in higher education, and data-driven analysis of student learning behaviors, bridging educational theory with real-world practice to transform learning in the AI era. Before entering academia, Dr. Duan held leadership roles at leading Chinese tech companies including Sina Weibo, 360, HTC, and Alibaba, with over a decade of hands-on experience in product design, team management, and user growth. Currently, Dr. Duan conducts AI research in higher education while actively participating in public initiatives. She founded Growisely, a nonprofit educational community that connects technologists, educators, and families to promote AI-powered learning and support the growth of both parents and children.

## 6. Dr. Tingting Chen, Professor at California State Polytechnic University, Pomona



Dr. Tingting Chen received the PhD degree in Computer Science and Engineering from University at Buffalo State University of New York in 2011. From 2011 to 2014, she was an assistant professor in Computer Science Department at Oklahoma State University. In 2014, she joined the Department of Computer Science at California State Polytechnic University, Pomona as an assistant professor. Since 2022, she has been a professor of Computer Science at Cal Poly Pomona. Her research interests include big data security and privacy and medical informatics. She has published over 50 referred papers, including in top-tier conferences such as ACM MobiCom, IEEE INFOCOM. Her work has been supported by National Science Foundation, Google Inc, Microsoft Inc, US Department of Education, Amazon Inc. and Oklahoma State University.

## 7. Dr. Wei Lu



Dr. Wei Lu brings a wealth of industry experience from leading tech giants such as Meta and Amazon. He is the co-founder of Rockhood.ai, an AI-powered real estate assistant built to empower agents and brokerages to work more efficiently and deliver exceptional client service. With deep expertise in artificial intelligence, Dr. Lu is committed to transforming the real estate industry with technology that prioritizes user experience and value.

## 8. Dr. Jeff Ren



Dr. Jeff Ren is a Software Engineering Manager at Google with over 25 years of experience in computer vision, computational photography, and artificial intelligence. He is the holder of multiple patents and the author of several books, including Autonomous Driving Algorithms and Its IC Design and Silicon Valley Python Engineer Interview Guide. Dr. Ren is known for his deep expertise in system architecture, machine learning deployment, and AI innovation leadership. He has held key technical roles as industry leaders such as Qualcomm, Huawei, and Google, where he has led the successful development and launch of multiple cutting-edge technologies.



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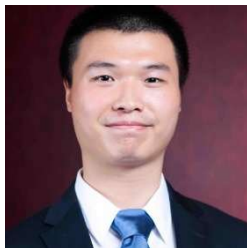
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## Career Development in AI Era Forum Speakers and Panelists

### 1. Yiming Xu



Yiming is a Staff Quality Engineer at Becton Dickinson (BD). As an American Society of Quality (ASQ) Certified Manager of Quality/Organizational Excellence, Certified Quality Engineer, Certified Quality Auditor and Six Sigma Black Belt owner, with 10 years of working experience in the medical device industry. Yiming has achieved multiple milestones in company acquisition, due diligence, medical device design, manufacturing, quality engineering, and regulatory affairs in world-leading companies such as Medtronic Neurovascular, Edwards Lifescience, ICU Medical, Abbott Vascular and Becton Dickinson with 2 times BD Global Exceptional Impact Employee Nominees.

As the founder of Lobart Instrument, Yiming designed and manufactured air tonometer for glaucoma patients. As the SoCal Association for Biomedical and Pharmaceutical Advancement (SABPA) sponsorship chair, Yiming has been working to serve the Chinese community by building the bridges among the SABPA members, event speakers and Chinese American community. Yiming has also devoted himself to younger generation development by building a connection communication group between Southern California Medical Device Engineering organizations and college students for hands-on experience. As a Chinese immigrant in the US, Yiming has one goal and one goal only, to serve our Chinese American community and make it stronger.

### 2. Cathy Peng



Cathy Peng is the CEO of ROCS Global, a Silicon Valley firm driving global talent recruitment and leadership development. A former Fortune 100 executive and startup leader, she also co-founded MyT. Coach, empowering professionals worldwide.

Amid the pandemic, Cathy founded the Cathy Fun Fitness Platform, a global nonprofit that has uplifted over 800,000 people through daily Zoom dance workouts—promoting wellness of body, mind, and spirit.

She has led leadership programs at top institutions including the University of Chicago, Stanford, Harvard, and Tsinghua, and brings executive experience from Asia, Europe, and North America.

An MBA from the University of Chicago and a certified life and career coach, Cathy has received numerous global awards, including “Most Inspiring Women Leader 2023” and “Top 10 Global Female CEOs 2022.” She is a proud mother of three, living in Silicon Valley.

### 3. Ethan Sun



Dr. Ethan Sun is the Principal Transportation Planner for the City of Riverside, where he leads multimodal planning initiatives, strategic policy development, and implementation of innovative transportation solutions. With over a decade of experience in transportation planning and engineering, Ethan specializes in travel demand forecasting, big data analytics, and performance-based planning for active transportation and freight mobility.

Prior to joining the city, Ethan held leadership roles in the private sector, where he delivered impactful projects across California involving SB 743 implementation, regional truck flow analysis, and simulation-based modeling.

He is also an experienced mentor, having trained numerous professionals in travel demand models and traffic simulations.

Ethan holds a PhD in Civil Engineering from the University of California, Irvine. His work reflects a deep commitment to data-driven decision-making, sustainable infrastructure, and improving quality of life through better mobility.





#### 4. Amy Jiang



Amy Jiang is a scholar, professor, and administrator with extensive experience in digital strategy, emerging technologies, and library information systems management. She is currently serving as the Interim Co-Dean of the Library and Learning Commons at the University of La Verne, where she leads a series of transformative initiatives to enhance the operational efficiency of the learning commons and integrate innovative technologies into higher education.

In current position, Amy founded the university's Makerspace in 2015, creating an innovative learning environment that integrates cutting-edge tools such as 3D printers, virtual reality, machine learning, AI, and drones into the curriculum. Amy is also the founder of the international conference MIRA (Makerspace in Academics and Research), which has been ongoing for 10 years. She interacts with the local community through camps, research training, and promotes interdisciplinary collaboration to enhance STEM (science, technology, engineering, and mathematics) education. Her research covers a variety of subjects, including emerging technologies, makerspaces, blockchain applications, and data analytics. She has also participated in several interdisciplinary projects, such as integrating active learning techniques into the development of science curricula and exploring the intersection of the humanities and STEM fields.

#### 5. Hao Feng



Hao Feng graduated from Beijing Jiaotong University and received her master's degree in computer science in 2009. She began her career at Oak Pacific Interactive, working on the Mop website for one year. From 2010 to 2015, she worked at the IBM China Development Lab. Between 2015 and 2016, she served as a Security Manager at the Bank of China Data Center. In 2016, she moved to the U.S. and joined MSCl in Norman, Oklahoma as a Senior Software Engineer. She was later promoted to Vice President and worked there until 2022. Since 2022, she has been working at Microsoft as a Senior Software Engineer in the Cloud & AI team.

#### 6. Yi Deng



Yi Deng is an experienced U.S. Navy Retail Services Specialist (RS2) with over 6 years of active-duty service, including 5 years aboard USS Gridley (DDG-101) and two overseas deployments. Yi is currently serving as a Navy Recruiter at NTAG Southwest in the second year. He was awarded with two NAMs, Gold Wreath, and was selected as NAT of the Quarter for outstanding recruiting performance. Yi is bilingual in English and Mandarin with strong skills in logistics, personnel management, and talent acquisition.

#### 7. Jazmyne M. Quinones



Jazmyne Quinones is an experienced U.S. Navy Quartermaster Second Class (QM2) with over 8 years of active-duty service, including 5 years aboard USS Preble and three overseas deployments, including two RIMPAC exercises. Jazmyne successfully supported an INSURV inspection and hosted an official Malaysian government dinner aboard ship. Jazmyne has served as a Navy Recruiter at NTAG Southwest for the past three years and was awarded one NAM for outstanding performance. Jazmyne is skilled in navigation, international protocol, and talent acquisition.





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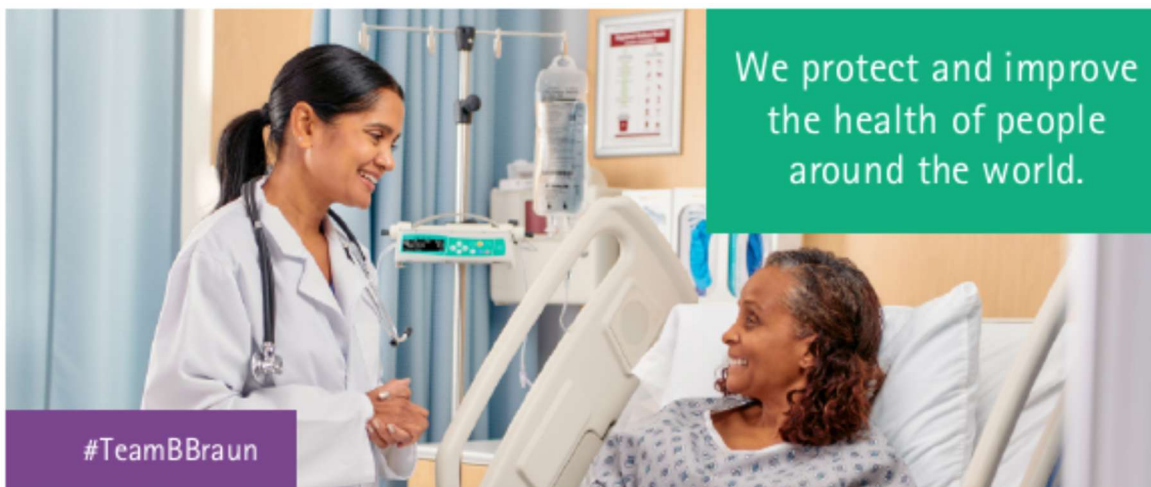
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