

**ASIAN AMERICAN ENGINEER OF THE YEAR
AWARD AND CONFERENCE**

**2024
AAEOY**



**SEP 27-28, 2024
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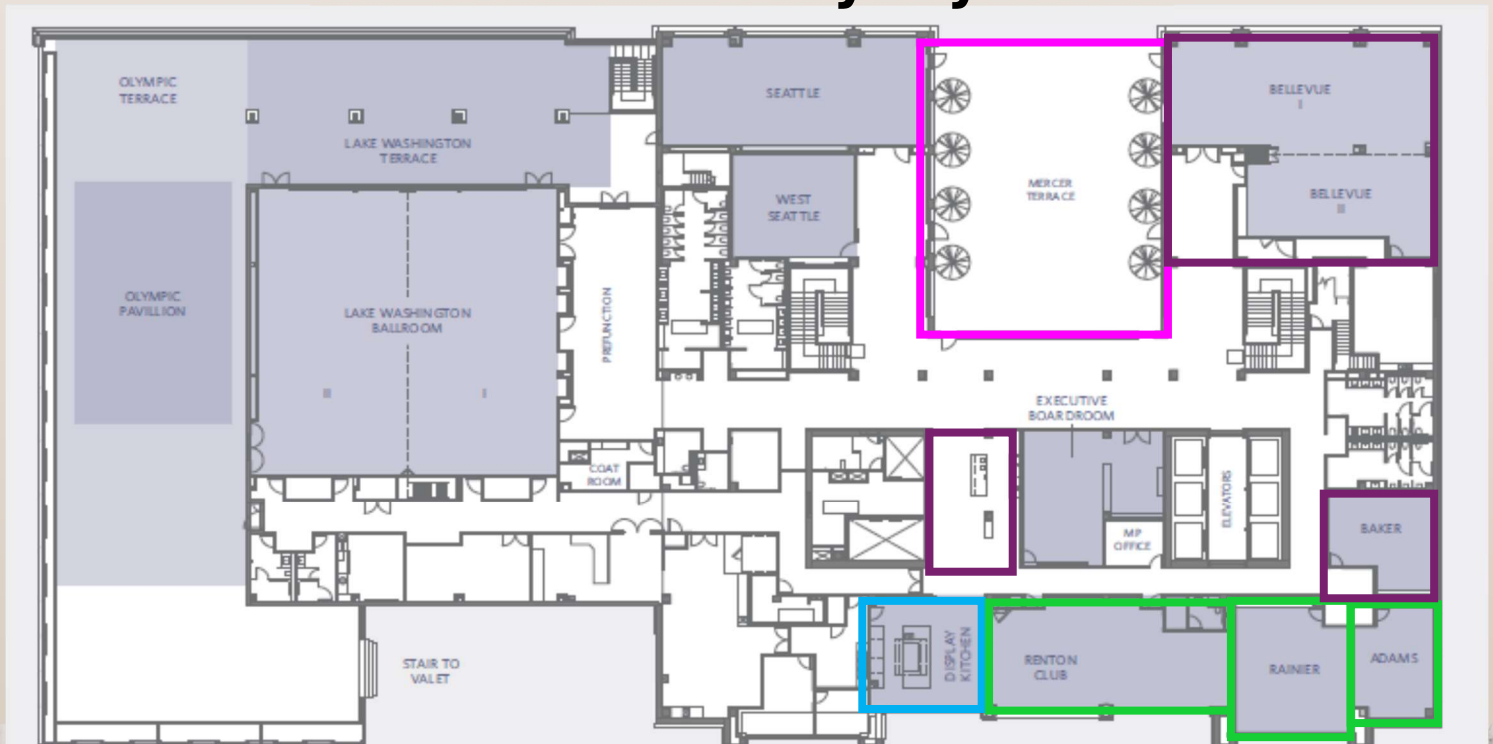
AAEOY

Hyatt Regency Lake Washington, Renton Washington

1st Floor Facility Layout



3rd Floor Facility Layout



2024 AAEOY - Seattle



AAEOY

Event Schedule and Location

	9/27	9/28
8 AM		
9 AM	Friday Tours	
	Boeing and Amazon Sphere (by invitation)	Career Fair
3 PM		Executive Forum
		Technical Session
6 PM	AAEOY Pre-Award Dinner Cruise	VIP Reception
9 PM		AAEOY Award Ceremony

Events and Locations:

Career Fair: [Bellevue](#)

Interview booths – [Baker](#)

Executive Forum: [Section 7/8, Grand Ballroom](#)

Technical Sessions

Technical Session - Biotech: [Renton Club CR](#)

Technical Session - AI: [Rainer CR](#)

Technical Session – Startup/VC: [Adams CR](#)

Plenary Session [Renton Club CR](#)

CIE Scholarship presentation – 3rd FI CR

VIP Reception: [Grand Pre-Function](#)

Awards Dinner: [Grand Ballroom](#)



2024 AAEOY - Seattle



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2024 AAEOY Award Ceremony Agenda

4:30 pm – 5:45 pm	VIP Reception
5:45 pm	Banquet Seating
6:00 pm	Welcome - Emcees (James J. Lee and Michelle Fu) and Introduction of Distinguished Guests
	Presentation of Color (UW NROTC) /National Anthem (Dr. Calvin Ling)
6:10 pm	CIE NC Chair George Wang - Opening Remarks 2024 AAEOY Co-chairs' Remarks -Stephen Lee WA State Attorney General Bob Ferguson – Welcome Remark Proclamation (DiscoverE) and Congratulatory Messages
6:30 pm	Dinner Starts
6:50 pm	Performance (Hengda Dance Academy)
7:00 pm – 7:20 pm	Keynote Speech – Dr. Todd Citron, CTO of The Boeing Company
7:20 pm – 8:05 pm	Award Presentation I Nyle Miyamoto, The Boeing Company Rosemary Pham, The Boeing Company Dr. Sayata Ghose, The Boeing Company Dr. Stanley Chou, Sandia National Laboratories Jamie Hagio, US Army Corp of Engineers Maria Newgent, US Army Corp of Engineers Distinguished Awardee for Lifetime Achievement HON Heidi Shyu, Department of Defense
8:05 pm	Performance (Hengda Dance Academy)
8:10 pm – 8:55 pm	Award Presentation II Dr. Hongkui Zeng, Allen Institute for Brain Science Dr. Bin Xie, InfoBeyond Technology Dr. Meng Li, Idaho National Laboratories Dr. Mitchell Ho, National Institute of Health/NCI Dr. Yinhai Wang, University of Washington Dr. Vilas G. Pol, Purdue University Distinguished Science and Technology Award Dr. Feng Zhang, Broad Institute of MIT and Harvard
8:55 pm – 9:05 pm	Award Presentation III (Honorable Mention) Dr. Arun Muley, The Boeing Company Dr. John Z. Lin, The Boeing Company Rajal Ganatra, US Army Medical Logistics Command Hung Le Nguyen, The Boeing Company Kiran Bagalkotkar, US Army Combat Capability Dev.
9:05 pm – 9:10 pm	Awardee Group Picture
9:10 pm – 9:15 pm	Raffle Drawing -Delta Airlines
9:15 pm – 9:20 pm	Closing Remark and transfer of AAEOY Seal to 2025 AAEOY team – Howard Wu
9:20 pm	Photo Opportunities



2024 AAEOY - Seattle



AAEOY

Distinguished Lifetime Achievement Award

HON. Heidi Shyu

Undersecretary of Department of Defense, US Department of Defense

Distinguished Science & Technology Award

Dr. Feng Zhang

Professor of MIT and Broad Institute of MIT and Harvard

Asian American Executive of the Year

Jamie Hagio

US Army

Nyle Miyamoto

The Boeing Company

Dr. Bin Xie

InfoBeyond Technology

Asian American Engineer of the Year

Maria Newgent

US Army

Dr. Sayata Ghose

The Boeing Company

Dr. Stanley Chou

Sandia National Labs

Dr. Vilas G. Pol

Purdue University

Dr. Hongkui Zeng

Allen Institute for Brain Science

Dr. Mitchell Ho

National Cancer Institute, NIH

Dr. Yinhai Wang

University of Washington

Asian American Most Promising Engineer of the Year

Dr. Meng Li

Idaho National Lab

Rosemary Pham

The Boeing Company

Asian American Engineer of the Year (Honorable Mention)

Dr. John Z. Lin

The Boeing Company

Dr. Arun Muley

The Boeing Company

Rajal Ganatra

US Army

Asian American Most Promising Engineer of the Year (Honorable Mention)

Kiran Bagalkotkar

US Army

Hung Le Nguyen

The Boeing Company



2024 AAEOY - Seattle



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2024 CIE-USA National Council Chair's Remarks

George Wang

On behalf of the Chinese Institute of Engineers-USA (CIE-USA), it is my honor to welcome you to the 2024 Asian American Engineer of the Year (AAEOY) Awards Ceremony. The AAEOY Awards, first established in 2002 and hosted annually by the CIE-USA, is one of the most high-profile events for recognizing outstanding Asian American scientists, engineers, and executives who not only excel in their professions but also contribute to the broader community through their leadership, innovation, and dedication.



The CIE-USA was founded in 1917 and spans seven regional Chapters across the nation, which provide professional STEM outreach and networking opportunities. This year's AAEOY is hosted by the Seattle Chapter and next year my own Chapter of New Mexico will serve as the host. As Chair of the CIE-USA for the past year, it has been my privilege to serve with my fellow officers and I have greatly enjoyed getting to know many of my fellow CIE-USA members across the different chapters.

This year's awardees are being recognized by their peers for their exceptional accomplishments and promise. I know that I will be inspired by hearing their stories tonight, while also realizing that they represent just a tiny fraction of the contributions and impacts of Asian American scientists and engineers nationwide. As we honor these outstanding individuals, let us also recognize the support of their families, mentors, and organizations that have supported their journeys.

I want to thank the 2024 AAEOY Planning Committee, led by Mr. Stephen Lee and Mr. Hao (Howard) Wu along with the many, many volunteers who put in countless hours of planning and hard work to make this program a reality and success. I hope that all of you have been able to join the wonderful activities this weekend and had the chance to meet friends new and old. I also want to thank our sponsors and other partners for their continued support and recognition of outstanding Asian American scientists and engineers.

Congratulations again to our awardees and I hope you all enjoy this memorable evening!



2024 AAEOY - Seattle



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2024 AAEOY Chairs' Remarks

Stephen Lee & Howard Wu

On behalf of the Seattle Chapter of Chinese Institute of Engineers USA (CIE-SEA), it is our honor to welcome you to Seattle and the 2024 Asian American Engineer of the Year (AAEOY) Awards Ceremony, the prestigious event of the year for celebrating the achievements and innovations of Asian American scientists, engineers, and executives in science, technology, engineering, and mathematics (STEM). We are privileged and honored to be your host for this 22nd annual prestigious event.



The AAEOY Awards, first established in 2002 and hosted annually by the CIE-USA, is one of the most high-profile events for recognizing outstanding Asian American scientists, engineers, and executives who not only excel in their professions but also contribute to the broader community through their leadership, innovation, and dedication.

Today is special. Our awardees come from many scientific and engineering fields and organizations throughout the United States. We are here to recognize their exceptional achievements and potential. We appreciate you for joining us to help celebrate their achievements together with their family members, mentors, and company representatives.

On behalf of the 2024 AAEOY Planning Committee and CIE-SEA, we would like to thank all our sponsors, alliance partners and supporters who help make this event possible. The program would not be possible without your generous support.

We would also like to thank all the 2024 AAEOY Planning Committee members, in particular the 2024 AAEOY Nominations and Sponsorship co-chairs, Dr. Gina Li and Dr. James Lee for their tireless efforts, all the CIE-SEA Board of Directors, members and community volunteers for their tremendous support.

We wish you a good event!



2024 AAEOY - Seattle



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*Most Promising
Asian American Engineer
of the Year 2024*

Dr. Meng Li
Staff Scientist



Special congratulations

to all of the Asian American Engineer of the Year 2024 winners!

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2024 Asian American Engineers of the Year Proclamation

September 28, 2024

On behalf of DiscoverE, the premiere engineering outreach organization, I congratulate the 2024 Asian American of the Year Awards recipients. I also send warm wishes to those attending this inspiring event.

The Chinese Institute of Engineers-USA has been a valuable DiscoverE partner and coalition member for more than 24 years. This partnership helped spark the AAEOY program, and it has been exciting to watch its continued success. It is critical to recognize those not only leading the way in engineering and technology achievements but also in cultivating future generations.

My best wishes for this exciting and prestigious event.

Sincerely,

A handwritten signature in black ink that reads "Kathy Renzetti".

Kathy Renzetti, CAE
Executive Director and CEO
DiscoverE



STATE OF WASHINGTON
— OFFICE OF GOVERNOR JAY INSLEE —

Greetings from the Governor

September 28, 2024

I am pleased to extend warm greetings to all of those attending the 2024 Asian American Engineer of the Year (AAEOY) award ceremony.

Engineering is the foundation on which modern societies are built and sustained, and it is as much of an art as it is a science. Tonight's award ceremony is a wonderful opportunity to recognize Asian Americans who have made a significant contribution to the field of engineering. I applaud the Chinese Institute of Engineers-USA and all the AAEOY sponsors for making this event possible, and I congratulate all of this year's award recipients.

Thank you all for your commitment to innovation and excellence, and please accept my best wishes for a memorable event.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Inslee".

Jay Inslee
Governor



United States Senate

WASHINGTON, DC 20510-4705

August 28, 2024

Dear Friends,

It is my pleasure to welcome you to the 2024 Asian American Engineer of the Year (AAEOY) Awards Ceremony and Networking Gala and congratulate this year's recipients of this prestigious award. This important gala does not just honor outstanding Asian American engineers and scientists that excel in their fields. It also fosters connections among STEM professionals of Asian cultural heritage, provides a career fair, and hosts technical seminars that promote crucial conversations about the most cutting-edge topics in the field.

Since 2002, the AAEOY Award has recognized the incredible careers of Asian American engineers, scientists, academics, and executives across the United States and abroad. Under the valuable leadership of the Chinese Institute of Engineers – USA (CIE-USA), the AAEOY has helped promote networking opportunities, empower young professionals, and advocate for the professional development of Asian American STEM workers.

The recognition and support the AAEOY and CIE-USA provides to Asian American STEM professionals cannot be understated, and I am proud to have such an impactful organization hold their annual reception in Washington State. Your mission of honoring Asian American professionals and uplifting inspiring role models and mentors in the STEM community is commendable.

Please accept my best wishes for a wonderful gala and thank you for your valuable work.



Sincerely,

A handwritten signature in blue ink that reads "Maria Cantwell". The signature is fluid and cursive, with a large, sweeping "M" and a long, horizontal flourish at the end.

Maria Cantwell
United States Senator

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JUDY CHU, Ph.D.
28th DISTRICT, CALIFORNIA

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House of Representatives
Washington, DC 20515

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DEVELOPMENT

September 28, 2024

Chinese Institute of Engineers-USA
20651 Golden Springs Drive #296
Diamond Bar, CA 91789

Dear Friends,

It is my privilege to extend a warm welcome to all those gathered for the Asian American Engineers of the Year (AAEOY) 2024 Award Ceremony.



Founded in 1917, the Chinese Institute of Engineers-USA (CIE-USA) is a prestigious national organization representing Chinese-American engineers and scientists. Since its inception, CIE-USA has been dedicated to advancing the study and application of science, technology, engineering, and mathematics (STEM) across the United States, while fostering valuable opportunities and connections for its members.

I commend CIE-USA for its efforts in recognizing many exemplary professionals during National Engineers Week (DiscoverE). This event marks the pinnacle of a successful series of celebratory activities, including a career fair for young engineers, a VIP reception, an executive forum, and a speaker series. The Institute's contributions have spurred significant advancements in science and technology, thereby enhancing the quality of life for many.

On behalf of the United States House of Representatives and the constituents of the 28th Congressional District, I extend my best wishes to CIE-USA and all attendees of the AAEOY 2024 Award Ceremony.

Sincerely,

JUDY CHU, Ph.D.
Member of Congress, 28th District

ADAM SMITH
9TH DISTRICT, WASHINGTON
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WASHINGTON, DC 20515
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COMMITTEE ON ARMED SERVICES
RANKING MEMBER

Congress of the United States
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Chinese Institute of Engineers-USA
14211 Se 83rd St Ste 200
Renton, WA 98059

April 10th, 2024

Members of the Chinese Institute of Engineers-USA,

I would like to take this opportunity to recognize the impact of the Chinese Institute of Engineers-USA and their prestigious Asian American Engineer of the Year Award. Since its inception over twenty years ago, it has rewarded the most distinguished Asian Americans in the field of engineering and acknowledged their momentous accomplishments.

I would like to give a special congratulations to this year's Asian American Engineer of the Year awardees. Your achievements in your field are truly spectacular and well-deserving of this esteemed recognition. You are now among the ranks of prominent Asian American CEOs, Nobel Prize winners, and innovators that will go down in history for their contributions. It takes superlative drive and passion to achieve what you have, and for that, you should feel proud.

The community as a whole is grateful for your work and dedication to it. Technological innovation is immensely important, and this year's awardees have distinguished themselves as pioneers in the field. I expect the 2024 winners, as well as past and future winners of the Asian American Engineer of the Year Award, to continue to innovate and prosper in the field of engineering.

On behalf of the ninth district and the state of Washington, I congratulate you on your selection for this prestigious award and thank you for your contributions to our community.

Sincerely,



ADAM SMITH
Member of Congress



REP. SUZAN K. DELBENE
1ST DISTRICT, WASHINGTON
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Congress of the United States House of Representatives



September 28th, 2024

Dear Friends,

Please accept my best wishes as you gather at this year's Asian American Engineer of the Year Award Ceremony and Banquet! I join you in celebrating the remarkable contributions of our Asian American community to the STEM field. A special congratulations to this year's recipients on their remarkable achievements.

The AAEOY Committee and the Chinese Institute of Engineers' dedication to advancing science and engineering has been integral to the success and prominence of the STEM field in Washington's First Congressional District and the greater Puget Sound region. Their efforts to foster and uplift the contributions of our Asian American professionals at the AAEOY provide the entire community with a greater appreciation for the invaluable contributions that these individuals have made to the United States in the fields of Science and Engineering.

Thank you for your hard work and congratulations again to the recipients of tonight's awards. Please accept my warm wishes for the celebration!

Sincerely,

A handwritten signature in black ink, appearing to read "Suzan K. DelBene".

Suzan K. DelBene
Member of Congress, WA-01

PRAMILA JAYAPAL
7TH DISTRICT, WASHINGTON

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Friends,

I am honored to send greetings to the Chinese Institute of Engineers-USA on the occasion of the 2024 Asian American Engineer of the Year Reception, Award Ceremony and Banquet. Congratulations to the leaders recognized today.

The contributions of Asian American professionals in STEM are profound, spanning diverse backgrounds and driving research and innovation forward. This year's distinguished leaders exemplify the outstanding talent and dedication within the Asian American community. Your transformative work continues to inspire scientists and engineers worldwide. I look forward to seeing the continued contributions of our community to the future of STEM in our country.

Congratulations again to the leaders recognized today. Thank you to the Chinese Institute of Engineers-USA for your hard work to organize this event, highlight regional leadership and uplift the next generation of scientists. Enjoy the celebration!

Sincerely,



PRAMILA JAYAPAL
Member of Congress



AAEOY

Keynote Speaker – Dr. Todd Citron, CTO, The Boeing Company

Dr. Todd Citron is senior vice president and chief technology officer of The Boeing Company as well as a member of the company's Executive Council. Citron is responsible for developing and executing Boeing's global technology strategy. This includes running a 5000-person organization comprised of Boeing Research & Technology (BR&T), AvionX and Aurora Flight Sciences that is helping create the future for Boeing by developing and transitioning critical technologies, delivering ground-breaking products, and providing daily program execution support across Boeing. These global teams work in five U.S. and seven international research centers. Citron also has engineering oversight over Boeing subsidiary Wisk and joint venture SkyGrid that are creating the future of advanced air mobility. In addition, Citron is responsible for co-leading Boeing's venture capital partnership with AEI, HorizonX.



Prior to his current role, Citron was vice president of engineering for Boeing Defense, Space & Security, where he was responsible for ensuring world-class technical integrity for all Defense, Space & Security products and services. He led a 20,000-person global engineering organization that included teams across each division of the business.

Citron was previously vice president and chief engineer for Defense, Space & Security Development. There he managed engineering support for key focus programs in the business's portfolio, improving execution through early deployment of critical resources and proven processes from across the company. His responsibilities also included creating and implementing a strategy to enhance engineering quality and affordability.

Previously, Citron was vice president of Mission Assurance and the senior chief engineer of Systems Engineering for Defense, Space & Security Engineering. In this role, he was responsible for the broad application of systems engineering and risk-reduction principles focused on issue prevention, risk reduction and mission success. He was also responsible for development and deployment of mission success strategy, policy and practices and served as independent approval authority for mission readiness of Defense, Space & Security businesses and programs. As senior chief engineer for Systems Engineering, he focused on technical risks, issues and opportunities, strengthening technical decisions that achieve the "right engineering" the first time.

Earlier in his career, Citron served in a number of business, program management and engineering leadership roles, which included developing advanced space systems such as a small satellite product line (702SP) that has won awards from both Aviation Week and the American Institute of Aeronautics and Astronautics. He also created innovative architectures for satellite-based IP data systems and designed the company's first digital payload, later serving as program manager. The technical and financial success of this program led to a multibillion-dollar business that is a major part of the Boeing satellite portfolio.

Citron has published numerous technical papers and has three patents in the areas of error correction, signal processing and adaptive antennas. He was also chosen to participate in the National Academy of Engineering's Frontiers of Engineering.

Citron received a bachelor's degree in electrical engineering with distinction from Purdue University and a master's degree and doctorate in electrical engineering from Stanford University.



2024 AAEOY - Seattle



AAEOY

Distinguished Lifetime Achievement Award



HON. Heidi Shyu

Undersecretary
Department of Defense

HON. Heidi Shyu is the Under Secretary of Defense for Research and Engineering (OUSD(R&E)). In this role, she serves as the Chief Technology Officer for the Department of Defense (DoD), mandated with ensuring the technological superiority of the U.S. military, and is responsible for the research, development, and prototyping activities across the DoD enterprise. She also oversees the activities of the Defense Advanced Research Projects Agency (DARPA), the Missile Defense Agency (MDA), the DoD Laboratory and Engineering Center enterprise, and the Under Secretariat staff focused on developing advanced technology and capability for the U.S. military.

Previously, she served as the Assistant Secretary of the Army for Acquisition, Logistics and Technology (ASA (ALT)), from September 2012 to January 2016. Prior to this, she was Acting ASA (ALT) beginning in June 2011 and was appointed the Principal Deputy in November 2010. As the ASA (ALT), she served as the Army Acquisition Executive, the Senior Procurement Executive, the Science Advisor to the Secretary of the Army, and the Army's Senior Research and Development official. She had principal responsibility for all Department of the Army matters related to logistics.

Prior to her government service, Ms. Shyu was the Vice President of Technology Strategy for Raytheon Company's Space and Airborne Systems.

Ms. Shyu holds a Bachelor of Science in mathematics from the University of Brunswick in Canada, a Master of Science degree in mathematics from the University of Toronto, and a Master of Science degree in Electrical Engineering with a focus on System Sciences along with the Engineer's Degree from UCLA. She received an Honorary Doctorate of Science from the University of New Brunswick.

Ms. Shyu is a member of the National Academy of Engineering and an American Institute of Aeronautics and Astronautics (AIAA) Honorary Fellow.



2024 AAEOY - Seattle



AAEOY

Distinguished Science & Technology Award



Dr. Feng Zhang

Professor
MIT and Broad Institute
of MIT and Harvard

Prof. Zhang is a molecular biologist focused on improving human health. His pivotal role in developing CRISPR technologies and optogenetics has revolutionized biological research and therapeutic applications.

Prof. Zhang's groundbreaking work in CRISPR-Cas9 genome editing, including pioneering the use of Cas9 for genome editing and discovering CRISPR-Cas12 and Cas13 systems and developing them for therapeutic and diagnostic applications, has revolutionized biological research, enabling precise modifications to DNA sequences. The current research in Prof. Zhang laboratory is centered on the discovery of novel biological systems and processes, uncovering their mechanisms, and developing them into molecular tools and therapies to study and treat human disease.

His contributions to optogenetics—a technique and an elegant approach of precisely controlling and monitoring the biological functions of a cell, group of cells, tissues, or organs with high temporal and spatial resolution by using optical system and genetic engineering technologies —have opened new avenues for understanding neural circuits and brain function.

Prof. Zhang's inventions have far-reaching implications for medicine, agriculture, and biotechnology. With multiple successful startups like Editas Medicine, Arbor Biotechnologies, and Sherlock Biosciences, Dr. Zhang continues to push the boundaries of science for societal benefit.

Prof. Zhang is a recipient of many awards including the Canada Gairdner International Award, the Tang Prize, the Blavatnik National Award for Young Scientists, the Albany Medical Center Prize in Medicine and Biomedical Research, Lemelson-MIT Prize, the Keio Medical Science Prize, and the Merkin Institute Fellowship at the Broad.

Prof. Zhang is an elected member of the National Academy of Sciences and the American Academy of Arts and Sciences, and a fellow of National Academy of Medicine and National Academy of Inventors.

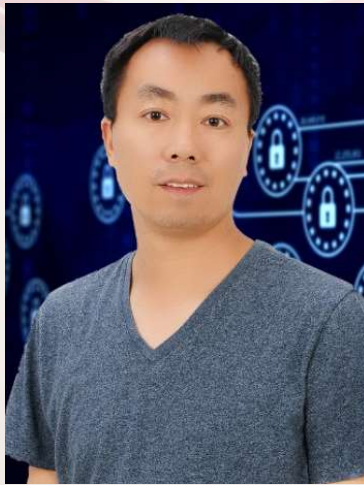


2024 AAEOY - Seattle



AAEOY

Asian American
Executive of the Year



Dr. Bin Xie

Founder & CEO

Dr. Bin Xie is the founder of InfoBeyond Technology LLC, delivering cutting-edge solutions for Energy, Defense, National Security, and IT Industries since 2008.

His research and development efforts are highly productive in the fields of Mobile Computing, AI and Cybersecurity. He has led over 40 challenging R&D projects, sponsored by the Department of Energy and other federal agencies.

His technologies have been, and continue to be, transitioned to federal and civilian services, benefiting numerous organizations such as Army Depots, J.P. Morgan, Chicago Housing Authority, GenVivo, Corporate Source, Institute for Public Health Innovation, Tim Hortons, PacSun, City of Des Moines, City of Jackson, MS, Honeywell, Senate of Virginia, and many more.

A widely respected scholar teaching over 40 global professionals in cyber resilience and protection, he received the University Mentorship Award from the University of Louisville.

Although many of his works cannot be openly published, Dr. Xie is the co-editor/author of three books and has published 80+ papers and several conference proceedings on Network Security Computer Science & Engineering.

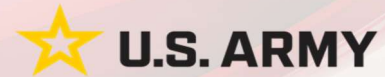


2024 AAEOY - Seattle



AAEOY

Asian American
Executive of the Year



Jamie Hagio

Chief of Construction
Far East District
Army Corps of
Engineers

Mr. Jamie Hagio currently works as the Chief of Construction Division for the Far East District (FED), U.S. Army Corps of Engineers (USACE). He is a native of Hawaii and attended the United States Military Academy where he received his Bachelor of Science degree in Mechanical Engineering. Mr. Hagio also received a Master of Science degree in Engineering Management from the Missouri University of Science and Technology. He is a registered Professional Engineer in the State of Texas.

Mr. Hagio was commissioned as an engineer officer in 2002. He served on active duty for 6 years. He was stationed at Ft. Carson, Colorado, Camp Casey, South Korea, and Ft. Bliss, Texas. He held multiple leadership positions such as Platoon Leader and Company Executive Officer. In 2003, he deployed in support of Operation Iraqi Freedom. From 2008-2010, Mr. Hagio served in the Army Reserve as a Reserve Officer Training Corps (ROTC) instructor at the University of Texas, El Paso.

From 2008 to 2021, Mr. Hagio held multiple positions with the U.S. Army Corps of Engineers in Texas, Hawaii, and South Korea. He oversaw the construction of a variety of projects such as: 4- and 3-star Army Headquarters, a hospital, four schools, secure facilities, runway, and a golf course.

From 2021-2022, Mr. Hagio served as the Relocation Program Manager for United States Forces Korea (USFK). Mr. Hagio was responsible for overseeing the policy development, bi-lateral coordination with the Republic of Korea and synchronization and integration of staff directors and key stakeholders to complete the repositioning of U.S. military personnel under the \$10.7 billion Yongsan Relocation Program.



2024 AAEOY - Seattle



AAEOY

Asian American Executive of the Year



Nyle Miyamoto

Senior Director
Structures Engineering
Boeing Commercial
Airplane

Nyle Miyamoto is the Senior Director of Structures Engineering at Boeing Commercial Airplanes (BCA). In this role he is responsible for ensuring structural integrity, functional excellence, and talent management for more than 2700 engineers and technical workers across all commercial airplane programs. He leads the Structures Core organization, which includes the Landing Gear, Doors and Windows Design Center, Structural Analysis and Certification, and Structures Product Development (PD) at multiple U.S. and global sites.

Nyle is widely recognized as an innovative leader who effectively harnesses the potential of new technology. Nyle became the first Additive Manufacturing (AM) Chief Engineer for BCA. He created the Boeing AM Innovation Center team and his team pioneered efforts to apply AM optimization, advanced simulation modeling, and the strategic implementation of advanced materials into aircraft production. As Director of Structures PD, Nyle led the development of disruptive vehicle concepts and the application of new, advanced composites. As Director of Airplane Level Engineering Integration, Nyle led model-based engineering implementation strategies for Boeing Digital Transformation.

Nyle is also known as an advocate. He is a mentor to countless individuals from all walks of life and has led many efforts to advance the development of Asian American leaders. Over 20 years ago, Nyle started the Structures Diversity Council, a volunteer team that continues to promote an appreciation for people of diverse backgrounds. Nyle also led the development of a hands-on manufacturing training course that has helped thousands of engineers to walk in the shoes of Boeing mechanics. Nyle is an Executive Champion for the Boeing Asian Pacific Association and a founding sponsor of the Women in Structures Engineering Council.

As a visionary leader who empowers team members to bring new designs to life, Nyle has been instrumental in advancing structural engineering through innovation, diversity, and advocacy.



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Asian American Engineer of the Year



Dr. Hongkui Zeng

Executive
Vice President &
Director

Dr. Hongkui Zeng is Executive Vice President and Director of Allen Institute for Brain Science. Since joining the Allen Institute in 2006, she has led several efforts to develop and operate high-throughput pipelines to generate large-scale, open-access datasets and tools to accelerate neuroscience discovery.

Her research interests are in understanding neuronal diversity and connectivity in the mouse and human brain-wide circuits and how different cell types work together to process and transform information.

Through her leadership of multiple scientific teams at the Allen Institute for Brain Science, she has built several research programs using transcriptomic, connectomic and multimodal approaches to characterize and classify the wide variety of cell types that constitute the mammalian brain, laying the foundation for unraveling the cell type basis of brain function and diseases. Her work has led to widely adopted community resources and standards, including transgenic mouse lines, Allen Mouse Brain Connectivity Atlas, the Common Coordinate Framework (CCF), and the brain-wide transcriptomic cell type taxonomy and atlas.

Dr. Zeng received her Ph.D. in molecular and cell biology from Brandeis University, where she studied the molecular mechanisms of the circadian clock in fruit flies. As a postdoctoral fellow at Massachusetts Institute of Technology, she studied the molecular and synaptic mechanisms underlying hippocampus-dependent plasticity and learning.

She has received many honors, including the 2016 AWIS Award for Scientific Advancement, the 2018 Gill Transformative Investigator Award, and the 2023 Pradel Research Award from the National Academy of Sciences.

She has served on multiple national and international committees and advisory boards, including the Society for Neuroscience Program Committee, the Advisory Board of Cell and Neuron, and the National Advisory Mental Health Council. She is an elected member of the National Academy of Sciences and the National Academy of Medicine.



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Asian American
Engineer of the Year



★ **U.S. ARMY**

Maria Newgent

Resident Engineer
Army Corps of
Engineers

Maria A. Newgent initially wanted to follow her father's dream of becoming an architect, but due to the lack of money, she changed routes and decided to study Civil Engineering. Upon graduating college, the U.S. Government reached out to Maria for an opportunity to internship with the U.S. Army Corps of Engineers (USACE) and she never looked back.

Maria's journey in the field of civil engineering began in 1993 when she joined the USACE as a Civil Engineer intern at the Womack Resident Office in the Savannah District. Over the years, she steadily climbed the ranks, showcasing her dedication, expertise, and commitment to excellence. From serving as a young engineer to leading construction teams in emergency response efforts, Maria's early experiences laid a solid foundation for her future career.

Throughout her career, Maria has held various supervisory roles, including team leader (Savannah District) and Chief of the Quality Assurance Section (Japan Engineer District) where she oversaw multi-million-dollar construction projects and provided guidance to project teams. Her leadership skills were further honed during her tenure as a Resident Engineer at the Florida Area Office, Mobile District, where she managed personnel, budgets, and contract administration for projects totaling approximately \$200 million.

Currently, Maria is the Resident Engineer for the upcoming Space Ports of the Future Infrastructure program at the Cape Canaveral Space Force Station. With her extensive experience, technical expertise, and passion for engineering, Maria is poised to make significant contributions to the success of future projects and the U.S. Space Launch Mission.

Outside of her professional endeavors, Maria enjoys spending time with her family, staying active in her community, and participating in STEM initiatives to inspire the next generation of engineers.

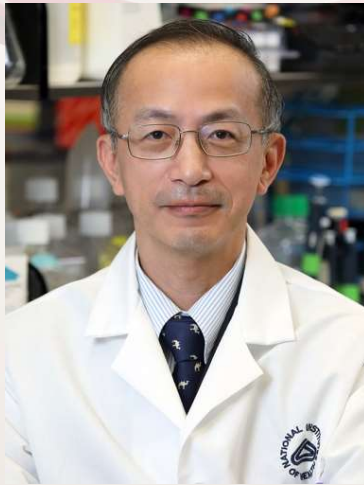


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AAEOY

Asian American
Engineer of the
Year



Dr. Mitchell Ho

Deputy Chief
Laboratory of Molecular
Biology

Dr. Ho is internationally renowned for his expertise in antibody engineering and therapeutics. He serves as Deputy Chief of the Laboratory of Molecular Biology at the National Cancer Institute (NCI), where he is also the founding Director of the NCI Antibody Engineering Program at the NIH. Additionally, he holds the position of founding Editor-in-Chief of Antibody Therapeutics (Oxford University Press). Dr. Ho is a Fellow of the American Institute for Medical and Biological Engineering (AIMBE).

Dr. Ho has pioneered studies on the development of glypicans as new cancer therapeutic targets and has generated antibody engineering-based therapies for various challenging cancers, including liver cancer, rare cancers such as mesothelioma, and childhood cancers. His research spans from investigating the molecular mechanisms by which glypicans such as GPC1, GPC2, and GPC3 regulate Wnt signaling to designing antibody and T cell-based therapeutics. His laboratory has created novel antibody engineering tools for discovering antibody therapeutics, including mammalian cell display technology and single-domain antibody phage libraries. Immune therapeutics, including CAR-T cells, developed in his laboratory, are undergoing clinical testing. Furthermore, Dr. Ho is leading partnerships with biopharmaceutical companies to develop novel cancer therapeutics using the antibody engineering technology developed in his NIH lab.

Dr. Ho is an international leader in antibody engineering and a steadfast advocate for an equal and diverse community of scientists and engineers. He was honored with the Asian and Pacific Islander American Organization (APIAO) Scientific Achievement Award and the Dr. Francisco S. Sy Award for Excellence in Mentorship at HHS. He has served on the Board of Directors for both the Antibody Society and the Chinese Antibody Society.



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AAEOY

Asian American Engineer of the Year



Dr. Sayata Ghose

Technical Fellow
Composites Fabrication
Boeing Research &
Technology

Dr. Sayata Ghose is a Boeing Technical Fellow (TF) with 20+ years' experience processing and characterizing elastomers, nanocomposites, prepregs, and resins. Specializing in automated lamination, Sayata has introduced composite fabrication capabilities to reduce flow time, increase manufacturing rates, and improve first-time quality while troubleshooting and mitigating risk across Boeing. Sayata also works with suppliers to develop prepreg testing methods. A recognized leader in automated fiber placement, Sayata led ASTM D8336's release, the first industry standard quantifying prepreg tack for lamination, directing a 12-organization round-robin testing effort including Airbus, Spirit, and Northrop Grumman.

Prior to Boeing, Sayata spent 7+ years at NASA, successfully executing low-void, autoclave-free processing of high-temperature matrix resins for composite structures on supersonic aircraft and launch vehicle platforms. She improved liquid cooling ventilation garment subcomponent thermal conductivity, reducing spacesuit cooling tube mass, enabling longer astronaut excursions.

Sayata earned her Polymer Engineering PhD from the University of Akron before joining NASA-LaRC as a post-doctoral fellow. Technical accomplishments include 28 peer-reviewed journal publications; numerous presentations, including keynotes; 2 book chapters; and 20 US patents. She provides guidance to the next generation of engineers at Boeing and organizations like Society for the Advancement of Materials and Process Engineering (SAMPE) and Society of Women Engineers (SWE). She is a founding member of the Diversity and Inclusion committees for both SAMPE and International Committee on Composite Materials (ICCM), and a mentor within SWE Pacific Northwest Chapter. She is also ICCM Senior VP and Chair of ASTM D30.03.

As a child in Kolkata, India, Sayata was encouraged to pursue engineering and became the first woman in her family to receive a PhD. She credits her success to the support of her parents and her loving husband of 18 years. Sayata lives in Sammamish, WA with her husband, daughter and father, and loves to travel.



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Asian American Engineer of the Year



Dr. Stanley S. Chou

Senior Scientist

Dr. Stan Chou has dedicated over a decade of his career to Sandia National Laboratories (SNL), where he has contributed significantly to research and development. His expertise spans a wide range of areas, including materials synthesis, chemical processing, electronic materials, and microelectronic integration.

Currently, Stan is a Senior Scientist at the Microsystems Engineering, Science, and Applications (MESA) center, where his primary focus lies in electronic packaging and integration. In his current role, Stan is responsible for ensuring that electronic components meet stringent performance and reliability requirements for the stockpile. Beyond technical aspects, he also plays a crucial mentoring role, guiding staff and managers to enhance organizational efficiency through technical manufacturing improvements.

Stan's educational background is rooted in materials science. He obtained both his bachelor's and doctorate degrees from Northwestern University, with a concentration on nano-to-microscale materials phenomena, interfacial effects, and surface interactions. Before pursuing his doctorate, Stan gained valuable industry experience at Intel Corporation. His work there spanned various critical areas, including transistor design, flash memory process development, static random access memory process development, and contact process development for Systems on a Chip (SoC) technology.

Stan's multidisciplinary expertise and practical insights make him an asset in the field of electronic materials and integration. With 65 published research articles and an h-index of 21 in his unclassified works, he has contributed widely to the scientific community.

Stan's passion for education extends beyond the professional realm. His desire to improve next generation STEM education also led him to Campersand, where he serves as the president of the board. Campersand delves into fundamental math concepts, guided by academic faculty who encourage unlimited depth of understanding. Stan's role as president of the board involves shaping the organization's strategic growth and ensuring its financial sustainability. Stan's commitment to Campersand exemplifies his dedication to shaping young minds and inspiring the mathematicians of tomorrow.



2024 AAEOY - Seattle



AAEOY

Asian American
Engineer of the Year



PURDUE
UNIVERSITY

Dr. Vilas G. Pol

Professor
Department of Chemical
Engineering

Prof. Vilas G. Pol is a principal investigator, technical leader, and educator with pioneering contributions in safer and low-temperature Li-ion batteries, including innovative electrolytes.

Prof. Pol has been a Professor of Chemical Engineering at Purdue University, IN, USA, for the past 10 years. He worked as a materials scientist at Argonne National Laboratory for seven years before joining Purdue University. He has authored or co-authored over 275 research publications, accumulating 12,500 citations (h-index 59), and is an inventor on 21 issued US patents and 18+ applications. He leads the Vilas Pol Energy Research (ViPER) group, focusing on Li-ion, Na-ion, and solid-state batteries, their extreme temperature operations, and thermal safety aspects. Purdue University has honored him with several awards, including Most Impactful Faculty Inventors (2022, 2023), Outstanding Engineering Teacher (Fall 2022, Spring 2021, Spring 2019), Seed for Success (2015-2023), Bravo (2015), and Purdue Faculty Scholar (2018-2023) awards. He has delivered over 200 invited, keynote, and plenary talks worldwide (in 20+ countries), including TEDx, disseminating Purdue's high-impact advanced battery science and technology.

Prof. Pol has received more than 40 prestigious awards from professional societies such as AIChE, ACS, MRS, ACerS, TMS, and Carbon. In 2015, he received the R&D 100 Award and earned two Guinness World Records™. The first record, set on August 15, 2018, was for arranging 118 elements of the periodic table in the shortest time to inspire young minds and promote scientific discovery. The second record was for the discovery of Li-ion batteries operational at -100°C for space applications, inspired by his vision: "Purdue graduate Neil Armstrong stepped on the moon for the first time; advanced lithium-ion batteries could be next." ViPER team collaborates with various academic institutions, national laboratories, industries, and the Department of Defense.



2024 AAEOY - Seattle



AAEOY

Asian American Engineer of the Year



W UNIVERSITY of WASHINGTON

Dr. Yinhai Wang

Professor
Civil and Environmental
Engineering

Dr. Yinhai Wang is a professor in transportation engineering at both Civil and Environmental Engineering and Electrical and Computer Engineering of the University of Washington (UW).

Dr. Wang has served as director for Pacific Northwest Transportation Consortium (PacTrans), USDOT University Transportation Center for Federal Region 10, since 2012, for Northwestern Tribal Technical Assistance Program Center since 2022, and for Washington State Transportation Center since 2024. These centers play a critical role in stimulating collaborations among stakeholders to address mobility challenges.

Dr. Wang was an elected governor for the IEEE Intelligent Transportation Systems Society (ITSS) from 2011 through 2013 and served as the 2018-2019 president of the Transportation & Development Institute (T&DI) for American Society of Civil Engineers (ASCE). He is currently chair for the Artificial Intelligence (AI) and Advanced Computing Applications Committee of the Transportation Research Board (TRB), chair for the ASCE Committee on Technical Advancement, vice president of the Council of University Transportation Centers (CUTC), and the Connected and Automated Transportation Special Section Editor for ASCE Journal of Transportation Engineering Part A: Systems.

Dr. Wang received the 2023 ASCE Francis C. Turner award and the Institute of Transportation Engineers (ITE) Innovation in Education Award for 2018. His research work has also been recognized by numerous paper awards, such as the 2022 Outstanding Paper Award from the IEEE International Conference on Digital Twins and Parallel Intelligence, IEEE International Smart Cities Conference's Best Paper Award for 2020, and ASCE Journal of Transportation Engineering Best Paper Award for 2003. His representative research product, Mobile Unit for Sensing Traffic (MUST), has been broadly deployed and the application with Yakama Nation was recognized by the 2023 Innovative Project Award and 2023 Best-All-Round Award from USDOT's Build A Better Mousetrap Program.



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Asian American Most Promising Engineer of the Year



Dr. Meng Li

Staff Scientist

Dr. Li's journey epitomizes the power of determination and innovation in the realm of energy storage and conversion. Raised with her grandfather Dejun Li's philosophy, Dr. Li learned early on not to let circumstances define her potential. This belief propelled her toward a passion for physics and mathematics and drove her to cross both geographical and disciplinary borders throughout her educational and professional life.

Commencing her academic pursuit at Huazhong University of Science and Technology, Dr. Li excelled in materials science and engineering, supported by distinguished scholarships. Her quest for knowledge extended to Curtin University in Australia, where she explored the complexities of solid oxide fuel cell and electrolysis systems for her doctoral thesis. North America became her next destination, where she embarked on postdoctoral research at the University of Alberta in Canada, delving into various electrocatalytic systems and density functional theory simulations.

Dr. Li's innovative approach to carbon dioxide conversion via an electrochemical cell design has garnered recognition within the scientific community, leading to a pivotal publication in Nature Catalysis and invitations to speak at high-profile conferences. At INL, she has been honored with the Exceptional Innovation Contribution Award, underscoring her expertise in multiscale simulations, machine learning, and energy storage. She then secured a position as a postdoctoral researcher at INL and became a staff scientist in 2020, focusing on electrochemical cells, lithium batteries, multiscale modeling, and machine learning.

An author with a notable citation record, Dr. Li's impact extends beyond her research. She is dedicated to mentorship, evident from her time in Canada and at INL, where she has guided students and managed laboratory operations, enhancing her leadership and communication skills. Her role as co-principal investigator on an international initiative demonstrates her capacity for fostering strong collaborations.



2024 AAEOY - Seattle



AAEOY

Asian American Most Promising Engineer of the Year



Rosemary Pham

Senior Leader
Enterprise Mechanical
and Structural
Engineering Workforce
Strategy

Rosemary "Rosie" Pham is the Enterprise Mechanical and Structural Engineering (MSE) Senior Leader at The Boeing Company, responsible for supporting Workforce Strategy and the Technical Task Force. With a focus on technical and functional excellence, workforce development, and diversity equity and inclusion. She supports over 10,000 employees in the MSE skill and leads efforts in upskilling, development, and global strategies.

Originally from Vietnam, Rosie and her family moved to the US as refugees when she was 10. She earned her Bachelor of Science in mechanical engineering, minor in astrophysics, from the University of Colorado (2011). She obtained a Master of Science in systems engineering from the University of Southern California (2018). Rosie completed certification programs in Aircraft Composite from the University of Washington (2015) and Executive Women in Leadership from Cornell (2023).

Rosie joined Boeing in 2012 as a 767 program Tool Engineer. One of her notable achievements was leading a cross-functional team in implementing a material on composite tools, resulting in improved product quality and safety. This initiative saved \$58 million throughout the airplane life cycle. Later, as the Research & Technology Leader for the 747/767/777 and Composite Wing Center, Rosie executed replication and technology insertion efforts that benefited the programs by \$23 million. Her technical work led to three US patents and two Meritorious Invention Awards.

In a special assignment for then-Chief Engineer Dr. Greg Hyslop, Rosie led an international team in setting the vision for the company's Engineers Week. She also partnered with DiscoverE to pilot World Engineering Day and established Partnership for Women Empowerment & Retention (PoWER) program, aimed at increasing the retention of women in engineering. Rosie serves as the Boeing Deputy Focal for Society of Asian Scientists and Engineers (SASE), collaborating with Resource Groups to prepare Asian American Pacific Islander members with development opportunities.



2024 AAEOY - Seattle



AAEOY

2024 Asian American Engineer of the Year (Honorable Mention)



Dr. Arun Muley

Technical Fellow



Dr. Arun Muley is recognized for his visionary/exemplary leadership of global technology strategy development and execution of thermal management for aerospace and energy systems. He is a Fellow of the American Society of Mechanical Engineers (ASME) and has served as a past chair of the Heat Transfer and Process Industries Divisions of ASME.

Dr. Muley is the Chief Engineer of Integrated Thermal Technology (ITM) and a Boeing Technical Fellow. He is leading development of advanced technology capability for Boeing business priorities in the areas of ITM, global integration of Boeing Additive Manufacturing (BAM), and growth of energy system capability for mechanical and structural engineering (9MSE). He is responsible for Boeing's technology engagement in Southeast Asia and global R&D initiatives for Integrated Vehicle Systems in BR&T. His previous positions include R&D Manager at Koch Heat Transfer and Principal Engineer at Honeywell Aerospace. His research, on development of next-generation ITM systems and components, employing AM, novel materials, innovative designs, and optimization is globally acknowledged - over 60 publications (1525 + citations) and 13 patents.



Dr. John Z. Lin

Technical Fellow



Dr. John Lin has nearly three decades of experience in structural integrity of metallic and composite structures. He is skilled in advanced materials development, structural analysis, certification, continued airworthiness, and product life-cycle management through digital twin and digital thread. He has published over 30 articles in conference proceedings and technical journals and 11 patents, which have been

cited over 1,500 times.

Dr. Lin is a Boeing Technical Fellow and Boeing Designated Expert for structural repair and sustainment. He is Principal Investigator for structural repair analysis methods and tools development and Joint FAA-Boeing Collaborative R&D on composite bonded repairs. He was Team Lead for structural methods and allowables on the F-22 program, helping deliver over 100 F-22 Raptors. He also leads a Boeing Enterprise Structural Repair System Community of Excellence, an 800-member community. Dr. Lin is a devoted Christian and ordained preacher at Bread of Life Christian Church in Seattle.



2024 AAEOY - Seattle



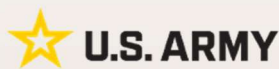
A A E O Y

2024 Asian American Engineer of the Year (Honorable Mention)



Rajal Ganatra

Logistics
Management
Specialist



Mrs. Rajal Ganatra has over 15 years of meritorious and high-performing service with DoD in strategic planning, operational activities and execution of medical logistics including procurement and sustainment. She is Certified in Systems Planning, Research and Development Engineering (SPRDE) Level-III and Level-II Program Management from Defense Acquisition University. Some of her recognitions

include: earned Civilian Service Achievement Medal for leading the MEDLOG in Campaigning Table Top Exercise (May 2024); earned ALTies Award for an article, "HACQing for Defense," published in the Spring 2020 issue of Army AL&T magazine as Editors' Pick in the Best Article category; earned Certificate of Appreciation from Office of Secretary of Defense for participating in Joint Acquisition Task Force in response to COVID19; IPT of the Year for Steam Sterilizer Field Portable May 2015; Certificate of Achievement for Field Portable Steam Sterilizer (June 2015) and Burn resuscitation Decision Support System (June 2014); Peer of the Quarter Award May 2010 & Employee Excellence Award in 2006 at NIBIB, NIH.

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AAEOY

2024 Asian American Most Promising Engineer (Honorable Mention)



Hung Le Nguyen

Software
Engineering
Manager



Hung Nguyen is a Software Development Manager for Boeing Digital Aviation Solutions, leading teams in the development of aviation mapping products. Previously, he was a Senior System Engineer for Boeing Commercial Airplanes, leading projects to develop model-based engineering (MBE) capabilities, airplane products, and manufacturing systems. An expert in Model-based Systems Engineering

(MBSE), Hung has developed trade secrets for Boeing and is a co-author of three US patent applications. In 2019, his team received the Boeing Technical Replication Award for safety improvements to commercial aircraft manufacturing, a project that saved the company \$20 million. Hung was a board member on the Puget Sound Chapter of the Boeing Employees Pride Alliance. He was also the Learning and Development Leader for over 400 future leaders at the 2021 Leadership NeXt program.

Hung received his bachelor's and master's degrees in mechanical engineering from Texas A&M University; an MBA from the University of Washington



Kiran Bagalkotkar

Human Factors
Engineer, RTI
Directorate



Ms. Kiran Bagalkotkar is a Human Factors Engineer for the U.S. Army DEVCOM C5ISR Center. She combines aspects of engineering and psychology to simulate and optimize the user experience of emerging night vision technologies and is an advocate for Soldier-centered design. Ms. Bagalkotkar holds both a Bachelor's and Master's degree in Industrial and Systems Engineering from Virginia Tech.

Under the Research and Technology Integration (RTI) Directorate's Human Perception Laboratory, Ms. Bagalkotkar develops virtual prototypes for Soldier testing and gathers performance statistics and user feedback to inform technology requirements, features, and functionality. She is also actively involved in several organizational groups, including the Virginia Tech Emerging Leaders Board, the C5ISR DEI Advisory Council, and the RTI Visionary Club. She is a founding member of Women of RTI and a leader of the C5ISR Young Professionals. In 2022, she earned the Rookie of the Year award for both RTI and C5ISR.



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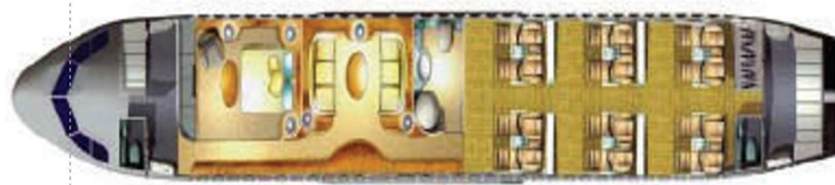
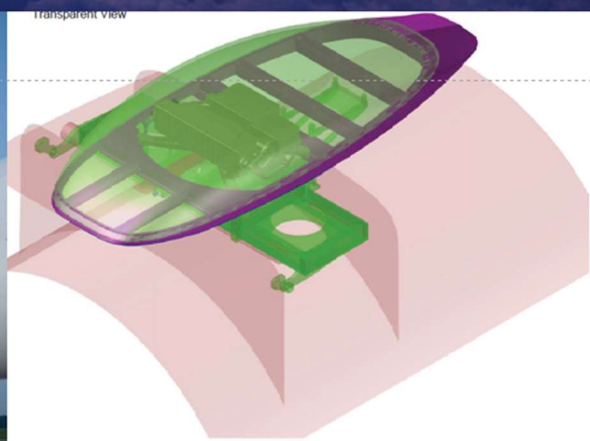
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2024 ASIAN AMERICAN ENGINEER OF THE YEAR VC & ENTREPRENEURSHIP SEMINAR



Dr. JC Mao

General Partner and
Distinguished Fellow of
Fellows Fund VC, USA



Vivian Wang

Founder, Ride2gether



Man Zheng

CEO of the Seattle
Entrepreneurship Club

Schedule

- | | |
|-----------------------|--|
| 1:00 - 1:45 PM | Dr. JC Mao - Navigating Entrepreneurship in the Age of Artificial Intelligence |
| 1:45 - 2:30 PM | Vivian Wang - Entrepreneurship: Chasing Trends or Focusing on Your Strengths |
| 2:30 - 3:15 PM | Man Zheng - Embodied AI + Seattle Startup Environment + My Personal Startup Experience |

**SEP 28, 2024 | SATURDAY
1:00PM - 3:30PM PDT**

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西湖心辰
Scietrain

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2024 ASIAN AMERICAN ENGINEER OF THE YEAR



BIO-TECH SEMINARS



Sep 28, 2024 | Saturday
1:00pm - 4:15pm PDT

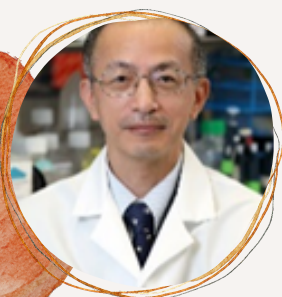


Hyatt Regency Lake Washington,
Renton, WA | Renton Club Room



Hongkui Zeng, Ph.D.

EVP and Director of
Allen Institute for Brain
Science, Affiliate Professor of
BioChem at UW



Mitchell Ho, Ph.D.

Director, NCI Antibody
Engineering Program
Deputy Chief, Laboratory of
Molecular Biology
National Cancer Institute



Dayong Gao, Ph.D.

ORIGINCELL Endowed
Professor & Director, Center for
Cryo-Biomedical Engineering
and Artificial Organs
University of Washington



Feng Zhang, Ph.D.

Professor of Neuroscience at
MIT, Core Member of Broad
Institute of MIT and Harvard
Investigator at Howard
Hughes Medical Institute

Schedule

- 1:00 - 1:45 PM** Hongkui Zeng, Ph.D. - Cell type diversity and organization in the mammalian brain.
- 1:45 - 2:30 PM** Mitchell Ho, Ph.D. - Engineering CAR-T Cells for the Treatment of Solid Tumors
- 2:30 - 3:15 PM** Dayong Gao, Ph.D. - Development of Novel Artificial Organs and Organ Cryopreservation Technology for the Treatment of Multi-Organ Failure Diseases

Break

Plenary Session

- 3:30 - 4:15 PM** Presented by the 2024 AAEOY Distinguished Science and Technology Award Recipient, Feng Zhang, Ph.D.
Exploration of Biological Diversity

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Promote interactions among biomedical researchers

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Provide greater opportunities for educational exchange

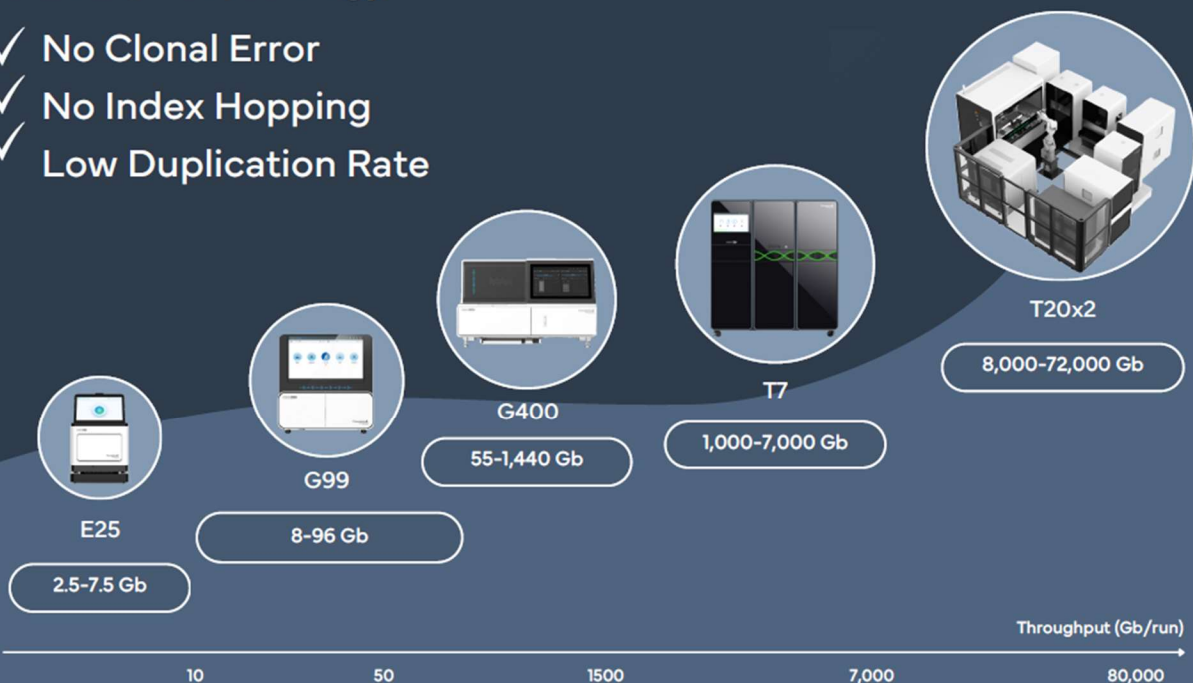
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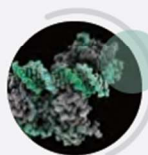
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CD25 ERBB2 EGFR
C-KIT CD20 PSMA



CAR-T Cell Therapy Targets

GPRC5D GPC3 ICAMI
EpCAM CLEC12A ROR1



Viral Antigen Bank

SARS-CoV-2 RSV HIV
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2024 Asian American Engineer of the Year Artificial Intelligence Seminar



Sep 28, 2024 | Saturday
1:00pm - 3:30pm PDT



Hyatt Regency Lake Washington,
Renton, WA | Rainier Room



WEI MANFREDI

VP of Global
Architecture, Data
and AI, McDonald's



XUCHEN YAO

CEO/cofounder of
Seasalt.ai



GUIJUN WANG

Principal Senior
Technical Fellow at
the Boeing Co.



Schedule

1:00 - 1:45 PM

Wei Manfredi - Transform Legacy Brands Into AI Powered Tech Companies

1:45 - 2:30 PM

Xuchen Yao - Voice AI: opportunities & challenges for LLM applications in North America

2:30 - 3:15 PM

Guijun Wang - AI in Aerospace

Scan the QR code for registration



✉ MAIL@AAEOY.ORG

🌐 <https://WWW.AAEOY.ORG>



Founded in 2008 with the goal of enhancing our customer's capabilities, InfoBeyond delivers reliable solutions to the Defense, Government, Healthcare, Financial, and Other industries. Our vision is to actively conduct innovative R&D, develop innovative solutions, and produce viable products with services to improve user experience in net-centric frameworks. Our complex efforts allow us to apply our proven research methodology to the commercial marketplace and major government acquisition programs. In 2009, InfoBeyond was first recognized by Army CERDEC and specialized in projects related to network mobility. Hereafter, InfoBeyond has been maintaining a stable increase in business during the past few years.

Our uniquely creative, intelligent, and enthusiastic team includes top research scientists, engineers, technicians, and support staff. We have established ourselves as a firm to accelerate the fielding of capabilities to our users and to benefit our customers through improved product development. In the past, we have collaborated with universities and industry companies. We have established relationships with key players in the value chain to manage the intellectual property and define requirements so that both technically sound and commercially viable products are generated as a result of our research efforts.

InfoBeyond Technology is seeking extraordinary researchers to join our team as Research Scientists. If you are interested in a full-time or internship position, please contact us at Fei@InfoBeyondtech.com. We expect candidates to have a Ph.D. (or be a Ph.D. candidate) in Computer Science, Engineering, Electronic Engineering, Applied Mathematics, Physics, or Mechanics.

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2024 AAEOY



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2024 ASIAN AMERICAN ENGINEER OF THE YEAR



AN ANNUAL RECOGNITION EVENT ON THE NATIONAL
PLATFORM TO HONOR THE MOST DISTINGUISHED
PROFESSIONALS OF ASIAN CULTURE HERITAGE

A BRIGHT NIGHT WITH THE STARS

SATURDAY, SEP 28, 2024 |
HYATT REGENCY LAKE WASHINGTON

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Prizes from Delta Airline:

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4. (ROUND TRIP) 1 Delta Airline Premium Select US -Asia ticket - Retail Value: \$3200
5. (ROUND TRIP) 1 Delta Airline Premium Select US -Asia ticket - Retail Value: \$3200

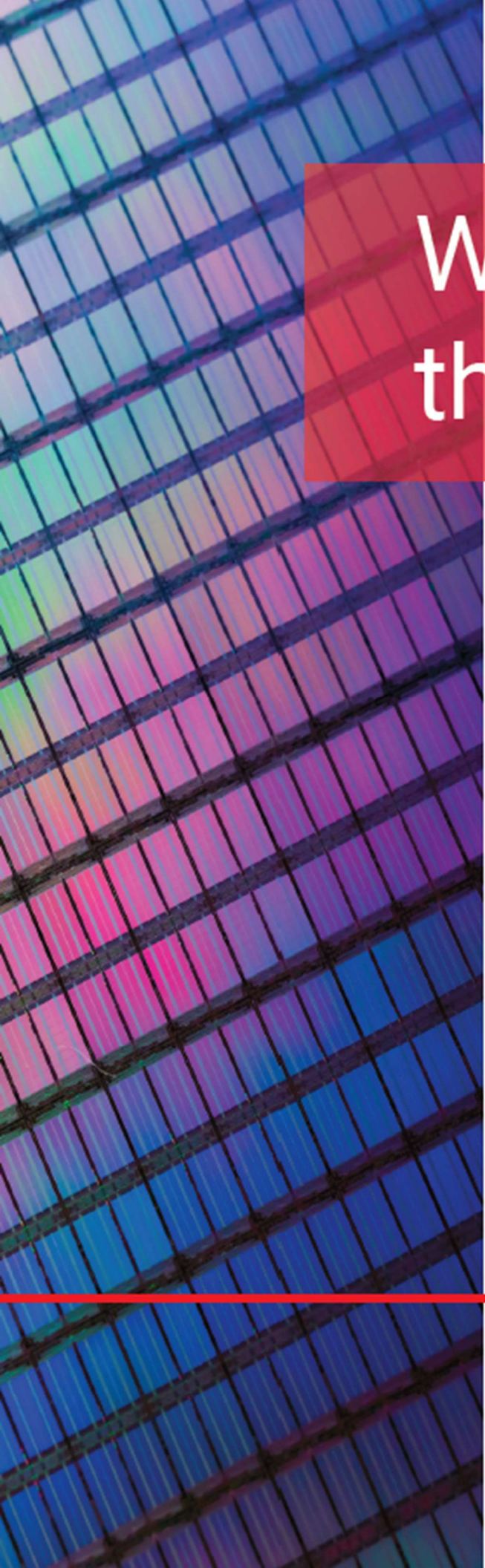
Prizes from other donor:

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7. (ONE Bottle) 2014 Quilceda Creek Cabernet Sauvignon - Retail Value: \$239.
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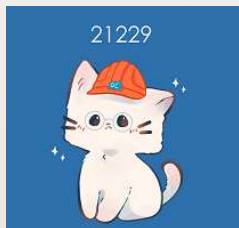


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2024 CIE-SEA STEM Activities

Competitive Robotics Opportunities

Started in 2022, CIE/USA-Seattle Chapter has supported robotic teams to promote STEM, learning, and increasing STEM education as part of its Robotics program. CIE board members Mark Ma, Xiaoxi Wang, and volunteers have been working closely with several local high school robotic teams. This year, 3 Washington State top teams, World Champion or Washington State Champion, are invited to present their robot, works, and awards.



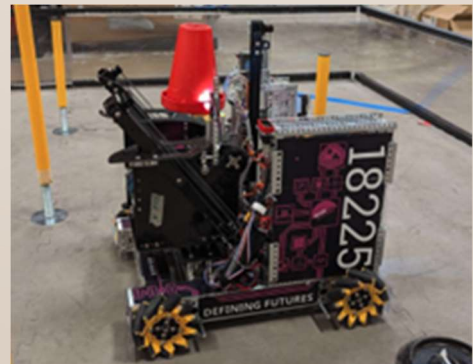
Team 21229 Quality Control, an FTC team from Bellevue, Washington, comprises 12 dedicated students. In 2023, Quality Control was part of the World Championship winning alliance (out of 7000 teams world wide) and earned the Innovate Award. In 2024, they led the Washington State Winning Alliance as the captain. At the World Championships, they won the Innovate Award and were part of the Franklin Division Finalist Alliance.



Team 14179 Sushi Squad is an 8th year veteran FTC team based in Redmond. Winning Innovate 2nd at the 2024 World Championship and Inspire 2nd at the 2024 State competition, they strive for accessible STEM education.



Team 18225 High Definition is a 4th-year veteran team that has competed as one of the top teams at the World Championship. They have also won the Washington State Inspire Award 4 seasons in a row. This team has created and started several successful teams since its founding. Their mission is to promote STEM and FIRST within our community to help establish the next generation of innovators!



2024 AAEOY - Seattle





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2024 AAEOY & CIE-SEA



SCHOLARSHIP AWARD CEREMONY

Hyatt Regency Lake Washington, 3rd Floor
1053 Lk Washington Blvd N, Renton, WA
3:30pm PDT, Saturday September, 2024





2024 CIE-SEA 22nd Annual APA Youth Scholarship Award Recipients

Undergraduate College Category

Darrien Liang	University of Washington	Freshman
Brianna Ong	University of Washington	Freshman

10th to 12th Grade Category

Kimberly Ong	Redmond High School	11 th Grader
Harrison Tang	Bellevue High School	12 th Grader

Scholarship Special Award

Extracurricular Excellence

Hanyu Zhang	The Overlake School	8 th Grader
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Academic Excellence

Mia Basilio	Jane Addams Middle School	8 th Grader
Amanda Li	The Bear Creek School	10 th Grader
Leevia Wang	Tyee Middle School	8 th Grader
Ella Su	Redmond High School	10 th Grader
Marilyn Zhao	Tesla STEM High School	12 th Grader



2024 AAEOY - Seattle



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2024 AAEOY - Seattle



Asian American ENGINEER of the Year Award

2025

September 26-27, 2025

Albuquerque,
New Mexico





恆達舞蹈學院

Hengda Dance Academy

恆達舞蹈學院於1995年8月在美國華盛頓州西雅圖正式成立，它是美國西北地區第一所華裔藝術家創辦、以教授中國古典及民族民間舞和西方芭蕾舞為主的藝術院校，主院址設在環境優美、地點便捷、佔地12,000呎的表爾威市。課程設制涵蓋年齡段從幼兒、少兒、青少年及成人不等。自95年以來，學院每年為學生舉辦《舞之韻~年度匯報演出》系列及陸續推出的《明日之星~青少年獲獎作品晚會》、《舞韻今秋~成人舞蹈專場》、《小荷尖尖~幼少兒舞蹈專場》等舞蹈專場晚會。學員們在美國Showstopper, YAGP, WBC, WBAC, 以及國際的中國桃李杯、中華青少年舞蹈大賽、紫荊杯國際舞蹈大賽等多個舞蹈大賽中碩果累累，其教學成果贏得專家學者的普遍讚譽，是北京舞蹈學院在海外唯一的教學實踐基地。

* 課程設置 / Curriculum :

- 中國古典舞 Chinese classical dance
- 中國民族民間舞 Chinese folk dance
- 西方芭蕾舞 Ballet/Pointe
- 外國代表性舞 Foreign Folk Dance
- 國際標準拉丁舞 Ballroom Dance

* 班級設置 / Classes:

- 幼兒班 Young Kids class (Ages 3-6)
- 少兒班 Children Dance Class (Ages 7-9)
- 初少年班 Preteen Class (Ages 10-12)
- 少年班 Teen Class (Ages 13-15)
- 青少年班 Youth Dance Class (Ages 15 & up)
- 成人中國舞班 Adult Chinese Dance Class
- 成人芭蕾形體班 Adult Ballet Fitness Training

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HDA Fall Class 秋季課程註冊



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