



# 2019 AAEOY

Asian American Engineer  
of the Year Award  
& Conference



**Thank You for Your Support!**



## *Technology Fusion- Invent a Better Future*

### *Event Summary*



2019  
AAEOY

## Event Schedule

Chinese Institute of Engineers/USA						
DFW Chapter 30th Anniversary and 18th AAEOY Annual Convention						
Renaissance Dallas at Plano Legacy West Hotel						
	Friday, August 16th				Saturday, August 17th	
8:30AM   12:00PM	AAEOY Technical & Cultural Tour			10:00AM   11:50AM	Technical Executive Forum AAEOY Awardees and Sponsor Executives	
12:00PM   1:00PM				11:50AM   1:00PM	Lunch Break	
1:00PM   5:30PM		Job Fair	Sponsor Exhibitions (interactive)	1:00PM   2:30PM	International Technology & Leadership Conference Keynote Speeches	
	2:45PM   3:30PM			International Technology & Leadership Conference Parallel Technical Sessions	AAEOY Awardees Photo Session & Logistics Briefing	
	3:30PM   4:45PM					
5:30PM   5:45PM	Break			4:45PM   5:00PM	Break	
5:45PM   6:20PM	DFW Chapter VIP Reception	AAEOY Pre-Award Networking		5:00PM   5:45PM	AAEOY VIP Reception	
6:30PM   9:30PM	DFW Chapter 30th Anniversary Banquet & AAEOY Pre-Award Dinner			6:00PM   10:30PM	AAEOY Convention & Award Ceremony Banquet	
9:30PM	Networking			10:30PM	Networking	





## 2019 AAEOY

**Day 1: 8/16/2019**

### Technical and Culture Tour **Descriptions:**

- (1) Halliburton research center - Here the guests for AAEOY 2019 were given a short presentation on the importance of fracture drilling, its benefits, its impact on energy independence as well as less greenhouse gas emission by using natural gas. Halliburton's research on drilling method and equipment were explained with demonstration of devices taking over 10,000 psi pressure and 500F temperature when maneuvering underground. Other important facts include how to communicate thousands feet underground through liquid. AAEOY guests also visited Halliburton's high pressure test facility for prototype and 3D laser printing lab.
- (2) Lunch at the Reunion tower, Cloud Café, 500 ft above ground. The rotating café presented Downtown Dallas in details under Texas sunlight.
- (3) Star in Frisco, the location for Dallas Cowboy headquarter and training facility. The guided tour introduced the building, the athletes, the NFL champion ring, MVP ring and other legendary facts about Five Super Bowl Championship team, Dallas Cowboy.





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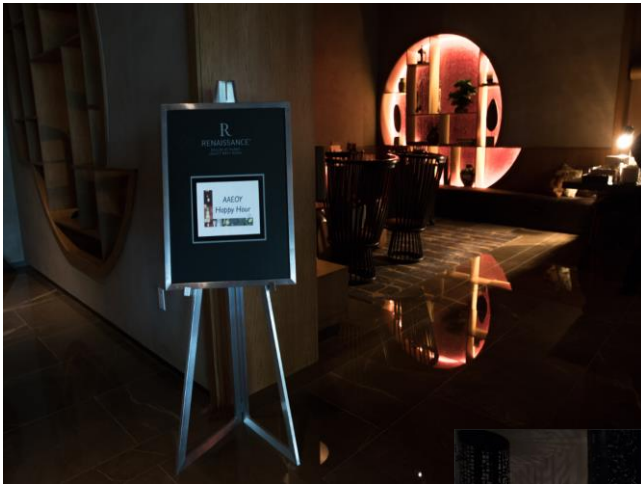
2019  
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Day 1: 8/16/2019

**Pre-Award Networking**

**Descriptions:**

After the technical/cultural tour, the AAEOY guests were invited to a private room in the event hotel for a meet and greet networking event.





## 2019 AAEOY

**Day 1: 8/16/2019**

### Pre-Award Dinner

#### **Descriptions:**

The Pre-Award dinner was jointly held with CIE/USA-DFW chapter's 30th Convention Banquet. More than 400 people attended the celebration including close to 100 AAEOY guests and volunteers. The keynote speaker, Dr. Chi-Foon Chan (President and co-CEO, Synopsys), one of the 2019 AAEOY Distinguished Science & Technology Award recipients, gave a speech around this year's theme "Technology Fusion – Invent a Better Future". His talk started with the modern technology evolution, followed by his own "Going West" life, and ended with answering the question, "Why is now the best time for engineers". In the closing, Dr. Chan also emphasized "Virtue" as the most important thing in life. After the presenting CIE/USA-DFW's Young Achiever Awards to this year's recipients, 2019 AAEOY Co-Chair Lun Tsuei introduced the Asian American Engineer of the Year award program to the audience. He also congratulated this year's AAEOY award recipients and sent appreciations to all the sponsors.



AAEOY Pre-Award Dinner & CIE/USA-DFW 30<sup>th</sup> Convention Banquet



Young Achiever Awardees (YAA)  
CIE/USA-DFW 30<sup>th</sup> Convention Banquet







Day 2: 8/17/2019

## Technical Executive Forum

### Descriptions:

The first AAEOY Technical Executive Forum was offered as an invitation-only event for the Dallas AAEOY Conference. The four panelists included 2 past AAEOY awardees, Jinrong Qian and Naveed Hussain, one 2019 awardee, Bala Rajaraman, and a long-term CIE supporter, Mark Carpenter. Mr. Carpenter is the Senior Vice President of Transmission and Distribution for Oncor Electric Delivery Company. Dr. Qian is the VP and Business Unit Manager for Battery Management Solutions at Texas Instruments. Dr. Rajaraman is a Fellow and VP of Hybrid Cloud at IBM, and Dr. Hussain is the VP and General Manager of Research and Technology for the Boeing Company. The panel was kicked off by Forum Chair, Dr. Qing Zhao of Oncor, and Forum Host, Bing Xie, Senior VP of Sales and Applications for Texas Instruments. Dr. Mary Cooley moderated this group of outstanding panelists before an audience of about 70 people. Questions ranged from iPhone-like technology fusion expectations in each industry over the coming decade to providing leadership and management of large and diverse global teams, and included a lively discussion on possible over-reliance on electrical versus mechanical innovations. All attendees were highly engaged throughout the one hour and twenty minute session. We received very positive feedbacks with the most frequent suggestion was to allow a longer time for the panel next time this event is held.







Day 2: 8/17/2019

## International Technology & Leadership Conference

### **Descriptions:**

2019 International Technology and Leadership Conference (ITLC) was kicked-off with a brief introduction by Mr. Simon Chang, President of CIE/USA-DFW Chapter, on CIE/USA and its focus. The keynote session was packed with over 300 participants. Dr. Peter Crouch, Dean of School of Engineering at The University of Texas at Arlington, delivered the opening remarks. The three keynote speakers were Dr. Alexa Dembek, Chief Technology and Sustainability Officer at DuPont, Dr. Tsu-Jae King Liu, Dean of College of Engineering at The University of California at Berkeley, and Dr. Sean Wang, President of Industrial Technology Research Institute International Inc. Keynote speakers offered forward thinking on innovation and affirmed technology fusion will continue to drive novel discovery.

After keynote, the ITLC divided into three parallel tracks that covered topics from artificial intelligence (AI), energy, to leadership and career development. AI session was moderated by Dr. Andrew Stevens, Machine Learning Scientist at Sivananthan Laboratories. Four speakers were Dr. Rulei Ting, Area Manager at AT&T, Dr. Shuo-Yan Chou, Professor and Director of IoT Innovation Center at National Taiwan University of Science and Technology, Dr. Gopal Gupta, head of Computer Science Department at The University of Texas at Dallas, and Ms. Sabina Stanescu, Principal Data Scientist at Altair. Speakers talked about AI and IoT from various angles and offered insightful views on their impact.

Energy session was moderated by Mr. Bill Muston, R&D Manager at Oncor Electric Delivery Company. Four speakers were Sameer Pendharkar, Senior Fellow and Analog Technology Development Manager at Texas Instruments, Dr. Boryann Liaw, Directorate Fellow at Idaho National Laboratory, Matthew Watson, General Manager at Texas Instruments, and Tony Bruton, Director of T&D Services at Oncor Electric Delivery Company. Speakers talked about exciting battery and power electronic technologies, and why wirelessly transferred electricity may power the world's future. The session ended with a talk on how creative technologies can improve the power distribution control room.

Leadership and Career Development session was moderated by Mr. Rod Wetterskog, assistant dean at The University of Texas at Dallas. Four speakers were Mr. Gary Hamatani, Director & Chief Project Engineer at The Boeing Company, Mrs. Debbie Dennis, CCO and SVP HR & Corporate Affairs at Oncor Electric Delivery Company, Mr. David Lu, Vice President at AT&T, and Dr. Hanchen Huang, Dean of College of Engineering at The University of North Texas. Speakers offered valuable insights on leadership development and emphasized the importance of treating leadership as a journey not a destination.

Overall the 2019 ITLC was well received and feedback has been very positive. The symposium ended around 4:30PM. This year, among the distinguished 19 ITLC speakers and moderators, five of them are prestigious AAEOY awardees.







2019  
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The AAEOY VIP reception started at 5:00PM with guest mingling, followed by the welcome announcement by MC Wen-Shin Wang. VIP Reception sponsor The Boeing Company Vice President Dr. Naveed Hussain delivered his remarks in which he appraised the awardees, volunteers and all sponsors. Dr. Hussain expressed the significance of Asian American engineers' contributions to the society and to The Boeing Company. After the speech, all sponsoring companies' representatives received the appreciation crystal trophies or plaques from Chair Jung and Co-Chair Tsuei. Guests mingled, chatted and enjoyed drinks and hors-d'oeuvres until 5:50PM when the guests moved to the dinner banquet hall. Many guests took group pictures and selfies in front of the AAEOY ice sculpture which was decorated with rose paddles.



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Presentation of Colors  
 United States Navy



Keynote Speaker: Bill Magness  
 ERCOT, President and CEO



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Awardee: Dr. Morris Chang  
 Received by Dr. Alex You  
 (Distinguished Lifetime Achievement)



Awardee: Dr. Tsu-Jae King Liu  
 (Distinguished Science & Technology)









Awardee: Gary Hamatani  
 (Asian American Executive of the Year)



Awardee: Dr. Rita Baranwal  
 (Asian American Engineer of the Year)







A man with glasses and a mustache, wearing a black tuxedo, white shirt, and black bow tie, stands on a red carpet. He has a boutonniere on his lapel. In the background, there is a stage with musical equipment and a table covered with a white cloth.





Awardee: Dr. BorYann Liaw  
(Asian American Engineer of the Year)



Awardee: Sameer Pendharkar  
(Asian American Engineer of the Year)

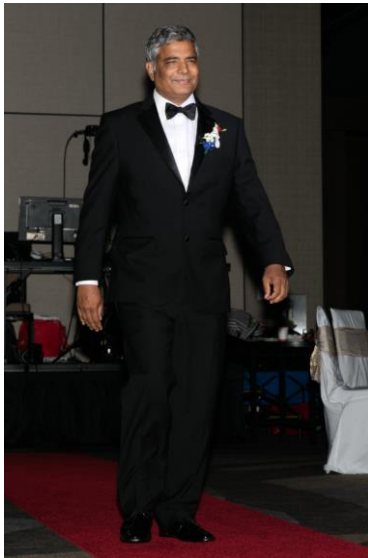




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Awardee: Dr. Bala Rajaraman  
 (Asian American Engineer of the Year)



Awardee: Dr. Venkateswara R. Dasari  
 (Asian American Engineer of the Year)



2019  
AAEOY



Awardee: Dr. Weidong Song  
(Asian American Engineer of the Year)



Awardee: Dr. Rulei Ting  
(Asian American Engineer of the Year)

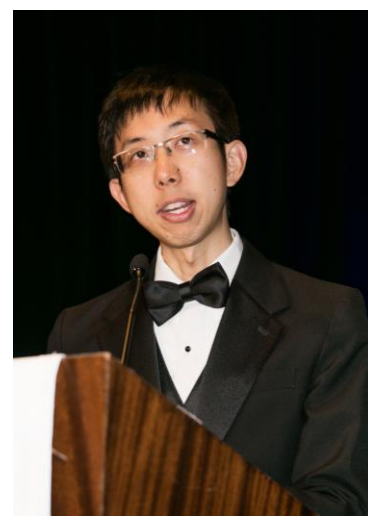












2019 AAEOY Banquet  
Emcee Arnold Zhang





## 2019 AAEOY







## About AAEOY

AAEOY stands for Asian American Engineer of the Year award, an annual recognition event on the national platform to honor the most distinguished professionals with their leadership, technical achievements and remarkable public services. As a part of the National Engineers Week (DiscoverE) Program, AAEOY was first introduced in 2002. This event has since become a prestigious and important forum for corporate America, academia, and government entities in promoting of STEM (Science, Technology, Engineering & Mathematics) activities.

- Special distinguished awards honor the achievements of Asian Americans for their global stature and influence
- The awardees have served as role models and sources of inspiration for the STEM community as a whole
- Past awardees include an astronaut, academic scholars, key corporate executives, and nine Nobel laureates

Award categories include:

- Distinguished Lifetime Achievement Award
- Distinguished Science & Technology Award
- Asian American Executive of the Year
- Asian American Engineer of the Year
- Asian American Most Promising Engineer of the Year





## About CIE/USA

Founded in 1917, Chinese Institute of Engineers /USA (CIE/USA) is a non-profit professional organization formed by Chinese-American engineers, scientists and other professionals. The objectives of CIE/USA are to promote Science, Technology, Engineering and Mathematics (STEM) in all communities across United States and to provide recognitions to the Asian American professionals at the national level.

Currently, CIE/USA has 7 regional chapters in the US:

- Dallas/Fort Worth (CIE/USA-DFW)
- Greater New York (CIE/USA-GNY)
- New Mexico (CIE/USA-NM)
- Oversea Chinese Environmental Engineers and Scientists Association (CIE/USA-OCEESA)
- San Francisco Bay Area (CIE/USA-SFB)
- Seattle (CIE/USA-SEA)
- Southern California (CIE/USA-SOCAL)

Representative national & regional chapters activities listed below:

- Modern Engineering and Technology Seminar (METS) since 1966
- Sino-American Technology & Engineering Conference (SATEC) since 1993
- Asian American Engineer of the Year Award since 2002
- Technical and Science Seminars / Conferences - Professional Career and Leadership Development Programs
- Youth Skill Development and Scholarship Award Programs
- Youth STEM promotional programs of Annual MATH Contests, Science Fun, and Robotics Competition.
- Future City Competition







## Planning Committee

Committee Chair:	Dr. Claire Jung
Committee Co-Chair:	Dr. Lun Tsuei
Advisory Council:	Grace Tyler
	Dr. Faa-Ching Wang
	Dr. Qing Zhao
Nominations Chair:	Dr. Wei-Jen Lee
Sponsorship Chair:	Dr. Xinfen Chen
CIE/DFW Convention:	Simon Chang / Greg Nichols
Public Relations:	Winnie Liang
Award Banquet:	Daisy Chen
Job Fair/Sponsor Exhibition:	Kevin Liang
Technical Executive Forum	Dr. Qing Zhao
Road Show:	Will Zhou
VIP Reception:	Dr. J.C. Chiao
Hotel Logistics:	Dr. Yuqing Xu / Ivy Sun
Hospitality:	Alan Lee
Technical/Cultural Tour:	Huawen Jin
Pre-Award Banquet:	Ivy Sun
Convention Treasurer:	Jessie Yuan
Registrations:	Dr. Shangting Detweiler
Decorations:	Dr. Huang-Chun Wen / Alice Yang
Webmaster	Jimmy Liu



### For more information, please visit:

CIE/USA website: <http://cie-usa.org/>

AAEOY website: <http://www.aaeoy.org/>

### Contact information:

[info@aaeoy.org](mailto:info@aaeoy.org)

# See you in 2020!

5/1 – 5/2/2020

Hyatt Regency & Santa Clara Convention Center, CA

