

2018 CIE/USA-DFW Annual Convention



Chinese Institute of Engineers/USA
Dallas-Fort Worth Area Chapter

美洲中国工程师学会达福分会

Engineering the Impossible
Innovative and Integrated Solutions

Saturday, August 18, 2018

Renaissance Dallas Richardson Hotel
900 E Lookout Dr., Richardson, TX 75082



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Message from President



Dr. Allan Zhong

President of CIE/USA-DFW

On behalf of the Chinese Institute of Engineers/USA Dallas-Fort Worth Chapter (CIE/USA-DFW), I warmly welcome all of you to the 2018 annual convention!

CIE/USA is a national nonprofit professional organization that promotes technical and scientific excellence, professional advancement, and leadership development of Asian-Americans. CIE/USA was established in 1917, and the DFW Chapter is one of its 7 chapters that has been serving the local community for 29 years. With over 600 active members and numerous events throughout the year, we are one of the most active non-profit professional organizations in the DFW area.

CIE/USA-DFW has many wonderful volunteers who have the passion to deliver quality programs and make positive impacts to all age groups in the DFW area. The flagship and sponsored programs include (1) VEX Robotics competitions, MathComp MathFun, Young Achiever Award (YAA), Speech contests, and leadership camps for the youth and (2) Spring and Fall technical symposiums for the professionals. This year, in order to provide more learning opportunities for college students and young professionals, in addition to Leadership and Career Development seminar in the Fall symposium, we started to provide mentoring programs to college students and young professionals. To date, we have served over 5,000 people of all ages through many successful activities organized by around 600 CIE members and volunteers.

We continue to strengthen our collaborations with other local professional groups and universities. This year we co-hosted our Spring Technical Symposium with SMU and IEEE Dallas Section, on the campus of Southern Methodist University (SMU). The Executive Officer Team has been focusing on building the organization for sustainable growth through two main initiatives: 1) Expand our volunteer base in DFW communities through open online recruiting; 2) Upgrade our website to help improve the efficiency of program execution and make our organization better known in the communities.

The theme of the convention this year is “Engineering the Impossible-Innovative and Integrated Solutions”.

On behalf of the CIE/USA-DFW Chapter, I sincerely thank our volunteers for their dedication and tireless work. I also want to thank all of the board of directors and advisors for their guidance and coaching. Last but not the least, I want to pass on my gratitude towards all of the sponsors and members for their great support. Let us celebrate and work together to build a better tomorrow!

Sincerely,

Allan Zhong



2018 Technical Symposium Program

August 18th, 2018

Dr. Jensen Newman, Dr. Jian Liu, Symposium Chairs

Keynote Session

Texas Ballrooms 6, 7, 8
Session Chair: Dr. Jensen Newman

1:00 - 1:05 PM **Opening Remarks**

1:05 - 1:35 PM *“Last Mile Security in Connected Sensor Applications”*

Xiaolin Lu, TI Fellow, Director of Kilby Innovation Lab, Texas Instruments Incorporated
2016 CIE/USA AAEOY (Asian American Engineer of the Year) Awardee

1:35 - 2:05 PM *“Dissolvable Fracturing Tools: How to Turn a Terrible Material into a Great Product”*

Dr. Michael Fripp, Distinguished Engineer, Halliburton

2:05 - 2:35 PM *“Advanced Analytics to Optimize Customer Experience in Retail Electricity Delivery”*

Darshan Bhate, VP of Strategy, Pricing & Analytics, TXU Energy

Session 1 – Automation and Smart Machines

Wildflower Ballroom 1
Session Chair: Dr. Yu Meng

2:45 - 3:15 PM *“Compressive Sensing in Transmission Electron Microscopy: Enabling Experiment and Instrument Automation”*

Dr. Andrew Stevens, Machine Learning Engineer, Sivananthan Laboratories

3:15 - 3:45 PM *“Blockchain and the 4th Industrial Revolution”*

Dr. Simon Mak, Professor of Practice in Entrepreneurship and Associate Director, SMU

3:45 - 4:15 PM *“New Reinforcement Learning Structures for Feedback Control and Multi-player Games: Applications to Distributed Energy Microgrids, Robotics, and Communication Graphs”*

Dr. Frank Lewis, Moncrief-O’Donnell Endowed Chair and Head, Advanced Controls&Sensors Group. UTA Research Institute (UTARI), The University of Texas at Arlington

4:15 - 4:45 PM **Panel Discussion**

4:45 - 5:30 PM **Networking**



2018 Technical Symposium Program

Session 2—Advanced Materials and Manufacturing

Wildflower Ballroom 2
Session Chair: Dr. Power Zhao

2:45 - 3:15 PM *“The Art of the Possible”*

Craig Lee, AT&T Plano Foundry Director, AT&T

3:15 - 3:45 PM *“Polysulfide Thermosets for Flexible Displays”*

Dr. Adrian Avendano, Chief Product Officer, Ares Materials

3:45 - 4:15 PM *“Tough, Strain-tolerant Photopolymers for High-throughput Additive Manufacturing”*

Dr. Walter Voit, Founder and CEO, Adaptive 3D

4:15 - 4:45 PM **Panel Discussion**

4:45 - 5:30 PM **Networking**

Session 3 – Leadership & Career Development

Wildflower Ballroom 3
Session Chair: Laura-Jane DeLuca

2:45 - 3:15 PM *“Inclusive Leadership Skills That Will Help You Effectively Adapt to Change and Navigate Your Career”*

Kim Cummings, Assistant Vice President of Human Resource and Diversity, BNSF Railway

3:15 - 3:45 PM *“How to Thrive in Corporate America as an Asian American”*

Dr. Chee Ching, Vice President of Automation, Technology and Development, AT&T

3:45 - 4:15 PM *“Personal Brand”*

Conrad Chun, Vice President of Communications, Boeing Global Services

4:15 - 4:45 PM **Panel Discussion**

4:45 - 5:30 PM **Networking**



CIE/USA-DFW 2018 Convention Program

Evening Banquet

Dr. Huang-Chun Wen, Master of Ceremony

- 5:20 - 6:20 PM VIP Reception, Banquet Registration and Social Hour
- 6:30 - 6:35 PM Opening Remarks
Shawn Xiong, Convention Chair, CIE/USA-DFW
- 6:35 - 7:15 PM Dinner
- 6:45 - 7:05 PM Performances
- 7:05 - 7:15 PM Special Recognition
- 7:15 - 7:25 PM President's Speech
Dr. Allan Zhong, President, CIE/USA-DFW
- 7:25 - 7:30 PM Introduction of Keynote Speaker
Dr. Chris Koh, Senior Director, R&D, PepsiCo
- 7:30 - 8:00 PM Dinner Keynote Address
Dr. Simon Yeung, Senior Vice President, R&D, PepsiCo
- 8:00 - 8:15 PM Special Recognition Awards
Dr. Claire Jung, Chairwomen of the Board, CIE/USA-DFW
- 8:15 - 8:40 PM Young Achiever Award Presentations
James Wainerdi, Young Achiever Award Chair, CIE/USA-DFW
Dr. Lun Tsuei, Vice President, Youth Programs, CIE/USA-DFW
- Oncor Electric Delivery Company***
Texas Instruments Incorporated
Diodes, Inc.
BNSF Railway
- 8:40 - 8:55 PM Election Results
Dr. Claire Jung, Chairwomen of the Board, CIE/USA-DFW
- 8:55 - 9:00 PM Closing Remarks
Shawn Xiong, Convention Chair, CIE/USA-DFW



Banquet Keynote Speaker



Dr. Simon Yeung

Senior Vice President R&D

PepsiCo

Dr. Simon Yeung is a senior R&D executive experienced in multiple technologies and markets. His industry experience and knowledge includes power generation, transportation, controls, plastics, coatings, renewable energy, consumer electronics, consumer goods, composites, and packaging.

In addition to being an innovator personally with multiple patents, Dr. Yeung has led and transformed large, global organizations in product development, total cost out, and technical services for corporations while balancing multiple objectives and budgets. He has successfully commercialized technology platforms, and is well versed in intellectual property and technology transfer, contract and partnership negotiation (e.g. JDA, JV), capital projects, Six Sigma, as well as experienced in working with and facilitating cross-functional teams to create and implement strategic plans that yield significant and margin-accretive results.

Dr. Yeung started his professional career at General Electric Corporate R&D center, where he worked on research projects in multiple areas. He moved to GE Plastics (now SABIC Innovation Plastics) where he held a number of R&D leadership positions in process technology, product development, and platform development.

In 2007, Dr. Yeung joined the Dow Chemical Company as Solar R&D Director, where he started the Dow Solar business. In 2009, he was named Global R&D Director for Materials Science and Engineering in Corporate R&D in Dow Chemical, where he led a global, multi-disciplinary organization engaging in innovative research and development activities in materials science, materials and parts design, modelling, and processing. He also led and implemented a front-end exploration approach in technology assessment and development, as well as Six Sigma for Corporate R&D in Dow Chemical.

Dr. Yeung then spent 4 years at Avery Dennison, first as the Global Vice President of R&D for Graphics and Reflective Solutions (GRS) and Performance Tapes (PT) with a combined revenue of \$850MM, then as Global Vice President of Segment Innovation responsible for leading innovation for 8 different market segments with the total revenue exceeding US\$4.7B. After that, he went to Valspar where he was Vice President of R&D for Consumer Paint for Valspar Corporation.

He joined PepsiCo in Jan 2017 as Senior Vice President R&D, Snacks Functions Capability, responsible for science and technology for Snacks worldwide. In addition, Dr. Yeung holds board membership in a number of organizations, including most recently PaintCare and Corporate Visiting Committee for Case Western Reserve University.

Dr. Yeung is a native of Hong Kong and moved to the United States to earn his Bachelor of Science degree from Case Western Reserve University. He earned a master and a doctoral degree in Chemical Engineering from the California Institute of Technology.



Special Recognition Award



SPECIAL RECOGNITION AWARD

presented to

Dr. Simon Yeung

Senior Vice President of R&D PepsiCo

For
Visionary Leadership in
Research and Development



CHINESE INSTITUTE OF ENGINEERS/USA
DALLAS-FORT WORTH CHAPTER

August 18th, 2018

Claire Jung

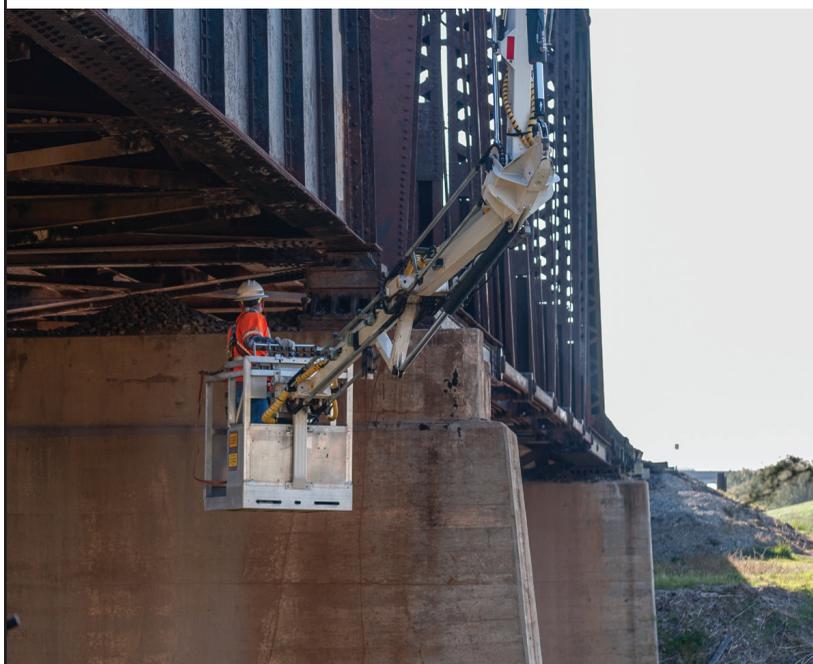
Dr. Claire Jung
CHAIRWOMAN

Allan Zhong

Dr. Allan Zhong
PRESIDENT



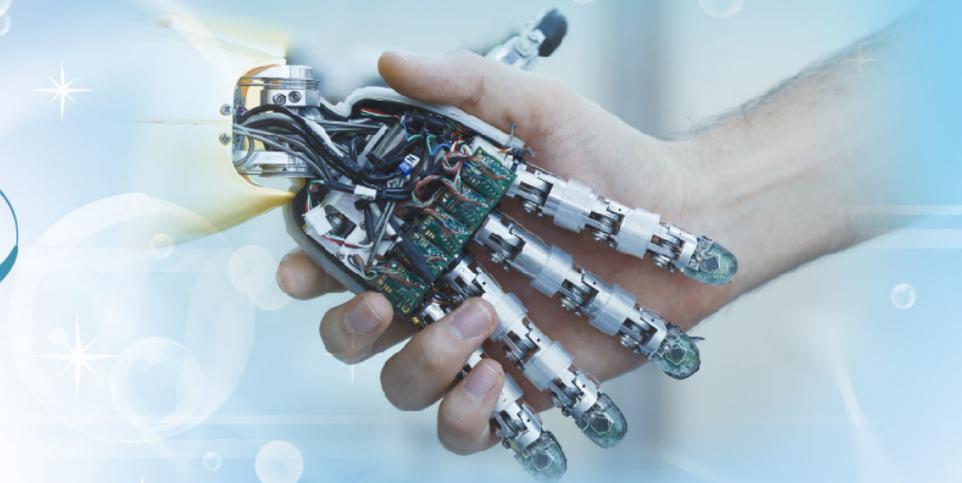
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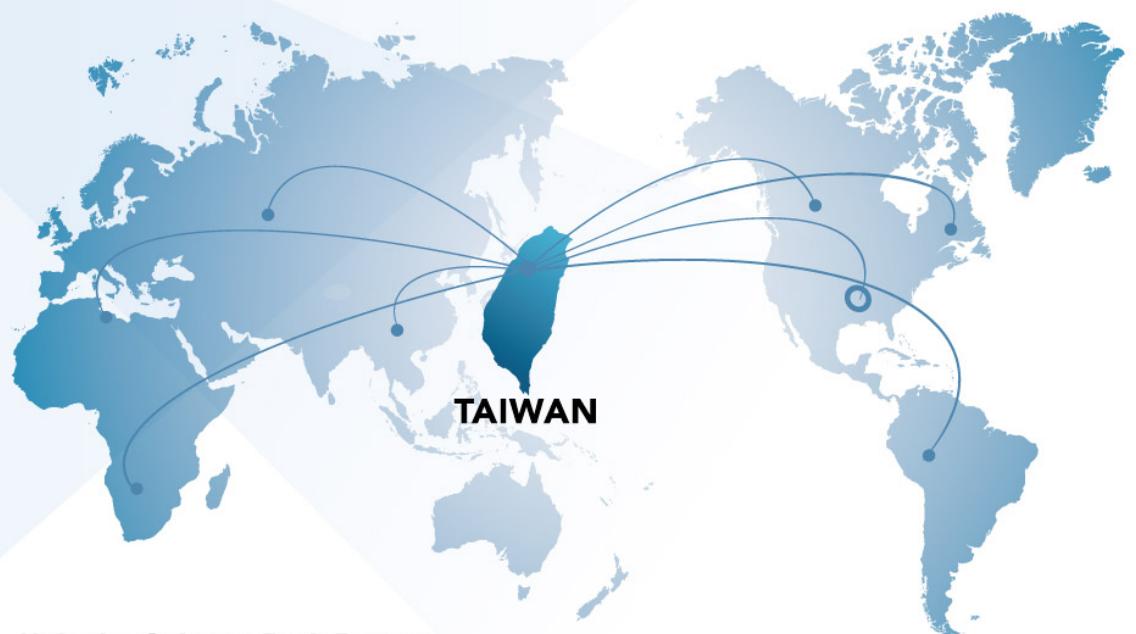


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廣告

Symposium Keynote Speaker



Xiaolin Lu

**Fellow of
Texas Instruments Incorporated**

**2016 CIE/USA
AAEOY
(Asian American Engineer of
the Year) Awardee**

Last Mile Security in Connected Sensor Applications

Xiaolin Lu is fellow of Texas Instruments Incorporated and director of Kilby Innovation Lab responsible for driving various differentiated industrial-and energy-related connected system level solutions using TI embedded processors, connectivity, analog and power management devices. Her focus area covers: connected sensors, ultra-low-power connected MCU and analog as well as security.

Xiaolin is well-known as an embedded system and software expert inside and outside TI and has given keynote and plenary talks at numerous technical conferences. She is the author/co-author of more than 60 U.S. issued patents and the recipient of a series of awards: 2016 Asian American Engineer of the Year, and Society of Women Engineers (SWE), etc.

Abstract:

With the growing power of cloud computing, machine learning, data analytics, etc., More and more end devices including sensors, actuators, light bulbs, alarms, motors, and others that we would never imagined to connect to internet before are getting all connected to the cloud through gateway or direct connection.

For data analysts, these end devices are data source or control points. They are providing tremendous amount of data, in-real-time, to the biggest processing engine in the world today. This trend is enabling vast majority of innovative applications in the area of needing connected sensors by utilizing smart sensing, automatic connectivity, secured FW upgrade & booting, smart power management, smart analog sampling and signal conditioning, etc. At the same time, these data points are also making the “internet” more exposed to the potential security threats and increase the vulnerability for both cyber and physical worlds.

To make these end points secure there are many opportunities in the semiconductor domain especially at the “last mile” of IoT. We will introduce a highly integrated wireless smart sensor node platform and its applications from security perspective. Key features related with end point security and opportunities for further research will be covered through specific use cases.

Considering that little has been done in understanding the security threats and developing solutions on the mixed-signal/analog/RF side, I hope the IoT community will start to involve more security innovations in these area.



Special Recognition Award



SPECIAL RECOGNITION AWARD

presented to

Xiaolin Lu

Fellow

Texas Instruments Incorporated

For

Research in Connected Systems



CHINESE INSTITUTE OF ENGINEERS/USA
DALLAS-FORT WORTH CHAPTER

August 18th, 2018

Claire Jung

Dr. Claire Jung
CHAIRWOMAN

Allan Zhong

Dr. Allan Zhong
PRESIDENT



Symposium Keynote Speaker



Dr. Michael Fripp

Distinguished Engineer

Halliburton

Dissolvable Fracturing Tools: How to Turn a Terrible Material into a Great Product

Dr. Michael Fripp is a Distinguished Engineer and has worked for the last 18 years creating new oil field technology for Halliburton. He has over 350 awarded and pending patents that address many aspects of downhole oil and gas production. He is a principal inventor of the materials in dissolving hydraulic fracturing tools as well as of oil field acoustic telemetry and fluidic devices. He has been named as an Innovative Thinker by World Oil Magazine and has been recognized as a Texas Genius by the organization Genius Awards. Dr. Fripp has a Ph.D. degree in Aeronautics and Astronautics from MIT and is a licensed professional engineer. He has authored numerous technical papers and has coauthored 4 books.

Abstract:

Over 95% of new wells in the US are hydraulically fractured. Because fracturing of the rock is performed section-by-section, the process ends with a series of plugs remaining in the wellbore. These plugs must be removed before any oil or gas can flow. Traditionally, this takes a laborious process of drilling out all of these plugs.

We created a really terrible metal and a terrible rubber that both fall apart in water. While terrible for any long-term application, they are perfect for creating a frac plug that will dissolve after the fracturing is done. The oil and gas flow freely without any additional drilling.

This talk will describe the hydraulic fracturing process, the invention of the dissolvable materials, the challenge of testing terrible materials, as well as their use as a great product in the oil field.



Special Recognition Award



SPECIAL RECOGNITION AWARD

presented to

Dr. Michael Fripp

**Distinguished Engineer
Halliburton**

**For
Innovative Research in Advanced Materials**



**CHINESE INSTITUTE OF ENGINEERS/USA
DALLAS-FORT WORTH CHAPTER**

August 18th, 2018

Claire Jung

Dr. Claire Jung
CHAIRWOMAN

Allan Zhong

Dr. Allan Zhong
PRESIDENT



Symposium Keynote Speaker



Darshan Bhate

**VP of Strategy,
Pricing & Analytics**

TXU Energy

Advanced Analytics to Optimize Customer Experience in Retail Electricity Delivery

Darshan Bhate is the Vice President of Strategy, Pricing & Analytics of TXU Energy, where he is responsible for the P&L for the Residential and Mass Markets business units, and leading the enterprise analytics function that generate measurable incremental value through the application of AI/ML principles and techniques. Before joining TXU Energy, Darshan worked in Investment Banking (Mergers & Acquisitions) Group of Credit Suisse in New York city. Darshan graduated from University of Michigan - Stephen M. Ross School of Business with a MBA (Honors) in Finance & Corporate Strategy. He also has a MS degree in Industrial & Systems Engineering from Georgia Institute of Technology and a BE degree in Mechanical Engineering from Govt. College of Engineering, Pune, India.

Abstract:

TXU Energy (TXU) is a market leading Retail Electricity Provider (REP) in Texas, and is the retail arm of Vistra Energy, one of the nation's largest integrated power producer (IPP) company. TXU Energy serves more than 1.7mm customers with a wide range of innovative products and services that are backed by a reputable and trusted brand and strong culture of service excellence and customer satisfaction. TXU Energy is proud to be the #1 preferred brand for Texans.

Unlike regulated utilities, the Texas market is fully deregulated and is the most dynamic and competitive retail environments in the US.

In this presentation, Darshan Bhate will walk us through the mission-critical role of Advanced Analytics from a P&L and customer experience optimization perspective and why Advanced Analytics should be viewed as a business function that achieves measurable strategic and tactical business goals, as opposed to purely a technology function. Moreover, he will also share TXU Energy's Data & Analytics journey, key accomplishments and share best practices that has helped TXU to maintain its key competitive advantage in a crowded marketplace of service providers.

Darshan Bhate is the Vice President of Strategy, Pricing & Analytics, where he is responsible for the P&L for the Residential and Mass Markets business units.



Special Recognition Award



SPECIAL RECOGNITION AWARD

presented to

Darshan Bhate

VP of Strategy, Pricing & Analytics

TXU Energy

For

Strategy and Research in Advanced Analytics



CHINESE INSTITUTE OF ENGINEERS/USA
DALLAS-FORT WORTH CHAPTER

August 18th, 2018

Claire Jung

Dr. Claire Jung
CHAIRWOMAN

Allan Zhong

Dr. Allan Zhong
PRESIDENT





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Symposium Speaker: Automation and Smart Machines



Dr. Andrew Stevens

Machine Learning Engineer

Sivananthan Laboratories

Compressive Sensing in Transmission Electron Microscopy: Enabling Experiment and Instrument Automation

Dr. Andrew Stevens holds a BA from William Penn University, an MS from Washington State University, and a Ph.D. from Duke University. Prior to becoming a scientist at Sivananthan Laboratories, he was a staff scientist at Pacific Northwest National Laboratory, where he led projects on image processing, machine learning, and compressive sensing. Dr. Stevens has patents pending in electron microscopy.

Abstract:

The ability to see atoms as they move is a key enabler for understanding and control of materials and biological processes, such as the storing of charge in Li-ion batteries and drug interactions with cells to cure disease. Traditional technologies require very expensive processes and are limited to a few very stable types of static inorganic structures, such as metals, insulators, and semiconductors. The goal of our research is to enable precise, rapid, and automated sensing by developing new machine learning techniques.

I'M AN ENGINEER.

Engineers help change the world each and every day. Whether they're building bridges, developing new airplane technology, or designing the next iPhone, their work affects people's lives in countless ways. As engineering majors at UTA, we're getting the skills and knowledge we'll need to make our own great innovations and amazing discoveries.

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Symposium Speaker: Automation and Smart Machines



Dr. Simon Mak

**Professor of Practice in
Entrepreneurship and
Associate Director SMU**

Blockchain and the 4th Industrial Revolution

Dr. Simon Mak serves as the VP at Migratec, a Linux development software business launched and sold to investors in Japan. Previously, Dr. Simon worked in Raytheon and Digital Equipment Corporation, and Mercury Interactive Software, a Silicon Valley venture-backed startup, IPO and sold to HP for \$45 Billion. Dr. Simon is the Moderator of SMU Blockchain Group and stay very active in related research. Dr Simon holds BS Mechanical Engineering from MIT, MBA Finance from SMU Cox School of Business, and Ph.D. in Applied Science from SMU Lyle School of Engineering.

Abstract:

Blockchain, the open source technology that drives cryptocurrencies like Bitcoin and Ether(eum), is in the formative stage of disrupting the world order. Due to its disruptive nature, blockchain is bound to impact manufacturing, and become part of the Industry 4.0 movement. But how does distributed consensus, smart contracts, immutability, transparency, and tokenisation apply to the factory of the future? This seminar will introduce the audience to the basics of blockchain and tokenisation, and then give use cases that are rapidly adopting blockchain. Then a discussion/workshop of its application to Industry 4.0 will be addressed.



Dr. Frank Lewis

**Moncrief-O'Donnell Endowed
Chair and Head, Advanced
Controls & Sensors Group,
UTA Research Institute
(UTARI)
The University of Texas
at Arlington**

New Reinforcement Learning Structures for Feedback Control and Multi-player Games: Applications to Distributed Energy Microgrids, Robotics, and Communication Graphs

Dr. Frank Lewis, National Academy of Inventors, Fellow IEEE, Fellow IFAC, Fellow U.K. Institute of Measurement & Control, PE Texas, U.K. Chartered Engineer, is Distinguished Scholar Professor, Distinguished Teaching Professor, and Moncrief-O'Donnell Chair at The University of Texas at Arlington Research Institute. IEEE Control Systems Society Distinguished Lecturer. He obtained the Bachelor's Degree in Physics/EE and the MSEE at Rice University, the MS in Aeronautical Engineering from Univ. W. Florida, and the Ph.D. at Ga. Tech. He is author of 7 U.S. patents, 323 journal papers, 423 conference papers, 19 books, 48 chapters, and 11 journal special issues.

Abstract:

Recent developments in Computational Intelligence in neural networks, artificial intelligence, and bio-inspired learning shows how to advance beyond traditional Optimal and Adaptive feedback control which has been dominating engineered systems since 1960s. This talk introduced more efficient learning feedback controllers combining automatic feedback control, Computational Intelligence techniques, and efficient communication networks modeled using graph topologies. This technology can be used in applications such as electric power micro-grids and human-robot interaction systems. Future energy distribution networks, including smart building systems, are composed of interconnected small-scale microgrid systems.



Symposium Speaker: Advanced Materials and Manufacturing



Craig Lee

AT&T Plano Foundry Director

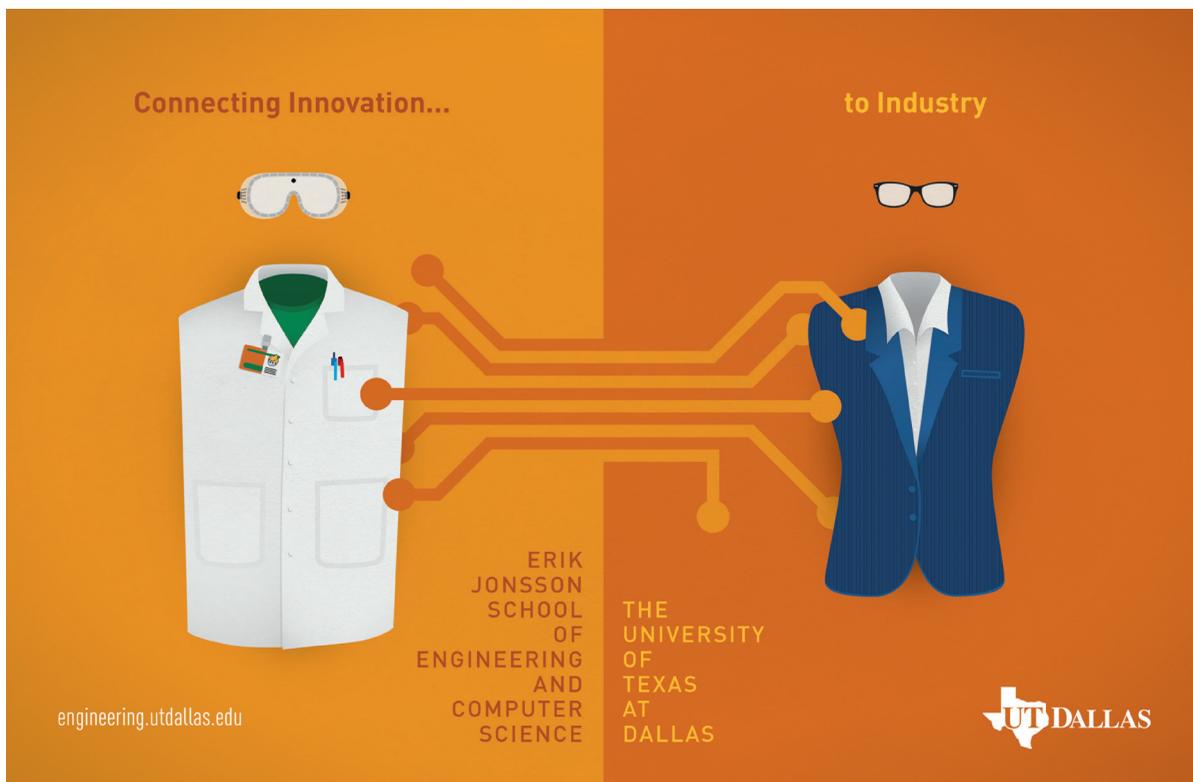
AT&T

The Art of the Possible

Craig Lee is the Director of the AT&T Foundry located in Plano, TX. Previously Mr. Lee held many leadership positions at AT&T Motorola, Racal, and Georgia Tech Research Institute in the areas of IoT, business development, RF & electronic design engineering, and pure research. Mr. Lee was awarded over a dozen US patents and is a Senior Member of IEEE. A native of Alaska, Mr. Lee earned a BSEE from Georgia Institute of Technology, a MBA from Nova Southeastern University and is currently pursuing a Ph.D. from The University of Texas at Dallas in Telecommunications Engineering.

Abstract:

This presentation will present on how AT&T Foundry collaborates with Enterprise customers to create solutions to business needs through Customer engagement, Ideation to define business need and possible solutions, Inhouse resources rapidly create Proof of Concepts for evaluation, Cycles of feedback improvement and Proceed to deployment or “fail fast”. Several customer engagement examples will be given.



Symposium Speaker: Advanced Materials and Manufacturing



Dr. Adrian Avendano

Chief Product Officer

Ares Materials LLC

Polysulfide Thermosets for Flexible Displays

Dr. Adrian Avendano completed his B.E. in 2007 and after working for GE Electric Distribution Equipment division, he started graduate work at The University of Texas at Dallas (UT Dallas) in 2008. He received his M.S. in materials science and engineering in 2011 focusing on electronic materials. After spending a summer in Qualcomm's MEMs Technologies facility in San Jose California, he joined the Advanced Polymer Research Lab at UT Dallas to pursue doctoral studies which he completed in 2014. Dr. Avendano's focus was on the design and fabrication of thin-film transistors (TFTs) on shape memory polymers in order to implement flexible and stretchable electronics for biomedical applications.

Abstract:

The trend of lighter, thinner, more stretchable and flexible plastic-based electronic devices has been growing in recent years, demanding significant innovation in material development. In this presentation, we will discuss a few case studies regarding how Pylux materials, a novel set of organic materials commercialized by Ares Materials, can fit into the flexible display manufacturing, specifically in the areas of flexible device microfabrication substrates, optically clear adhesives, cover glasses, wearable device, substrates etc.



Dr. Walter Voit

Founder and CEO

Adaptive 3D

Tough, Strain-tolerant Photopolymers for High-throughput Additive Manufacturing

Dr. Walter Everett Voit joined Adaptive 3D as CEO and a technical founder of Adaptive 3D commercializing specialty 3D printing resins with thermomechanical properties. Previously, Dr. Voit built and managed both the Advanced Polymer Research Lab and the Center for Engineering Innovation which together boast a comprehensive grant portfolio (NSF, NIH, DARPA, FDA, corporate sponsorship), mentor graduate students and post docs and explore the thermo-mechanics of shape memory polymers, flexible bioelectronics, next-generation neural interfaces, 3D printing, degradable polymers and the effects of ionizing radiation on polymers.

Abstract:

Additive manufacturing has the potential to transform traditional manufacturing through the ability to produce customized parts with complex internal geometries. However, parts made using 3D printing techniques are frequently unsuitable for industrial end-use applications due to poor mechanical and thermal performance. By using novel thiol-based chemistries, large, geometrically complex parts can be printed with one order of magnitude better toughness over existing resins, as well as self-healing properties. The isotropic toughness of these resins enables industry to employ additive manufacturing for high performance end-use applications.



Symposium Speaker: Leadership and Career Development



Kim Cummings

**Assistant Vice President of
Human Resources and Diversity**

BNSF Railway

Inclusive Leadership Skills That Will Help You Effectively Adapt to Change and Navigate Your Career

Kim Cummings is assistant vice president, HR and Diversity at BNSF Railway. Kim has responsibility for BNSF Railway's diversity and inclusion efforts.

She also provides leadership to the HR matrix teams supporting Law, Compliance and Audit Services, and Technology Services. Kim splits her time on several boards that include: the University of Texas Arlington Human Resource Advisory Board, Girls Inc. of Tarrant County, the National Association of Asian American Professionals (NAAAP), the Source of Hope and the DFW Multicultural Alliance and is the Chair of the Grapevine Colleyville School District Diversity Advisory Council.

Kim has received numerous community services and is a leadership recipient of the 2012 "HR Professional of the Year" designation by Ogletree Deakins Law Firm and the Dallas Chamber of Commerce, 2015 DiversityFIRST™ Award from the National Diversity Council and named 2016 Texas Most Powerful Business Women by Texas Diversity Magazine.

Abstract:

This presentation will cover how to manage through any company culture using the seven levels of personal professional consciousness. Participants will also learn:

- 1) How to effectively adapt to continuous changes in the environment (with leadership skill development, communication skills, continuous education etc.)
- 2) What is company culture? Why should I care?



AAEOY 2019

**Asian American Engineers of the Year Annual Convention
& International Technology / Leadership Conference**

Hosted by CIE/USA-Dallas/Forth Worth Chapter
<http://www.cie-dfw.org>
August 2019 - Dallas, Texas



Symposium Speaker: Leadership and Career Development



Dr. Chee Ching

**Vice President of Automation,
Technology Development**

AT&T

How to Thrive in Corporate America as an Asian American

Dr. Chee Ching received her Ph.D. in Management Information Systems from Purdue University with Minor in Computer Science. During her 20+ years of career with AT&T, Chee moved from the Labs to Operations to IT and held GM positions. Chee was the lead planner for implementing AT&T's Global Network Operations Center (GNOC); she advanced network assurance solutions and automation for AT&T's network and service centers; and delivered AT&T's 1st virtualized Performance Management solution for Software Defined Network. Chee was awarded the Outstanding Technical Contribution-Industry Award, by Women of Color STEM Conference in 2013, and the Outstanding 50 Asian Americans in Business in June 2018.

Abstract:

Many of Asian Americans are considered as technical, intelligent, hard-working, trust worthy employees, and well respected especially in STEM fields. How do we get more of us to the management or executive ranks to help advocate for Diversity and Inclusion? Consider some of the tips: 1) Find mentors and sponsors, 2) Personal Branding, 3) Don't be a shark, 4) Develop and maintain relationships with broad spectrum of coworkers, 5) Be vigilant. Diversity is a journey. 2nd+ generation of Asian American immigrants, you are our hope!



Conrad Chun

**Vice President of
Communications**

Boeing Global Services

Personal Brand

Conrad Chun is Vice President of Communications for Boeing Global Services, based in Plano. He joined Boeing in 2010 after retiring from the U.S. Navy as a Captain, where he held a series of high-profile communications positions, including serving as the special assistant for public affairs to the Chief of Naval Operations (CNO).

A graduate of the U.S. Naval Academy, Conrad also holds a Master Degree in Information Systems from the Naval Postgraduate School. He currently serves as Chairman of the board of directors for Military Spouse Corporate Career Network (MSCCN), a nonprofit organization that focuses on finding employment for military spouses.

Abstract:

Personal Branding. What is it, why is it important for your career, and how do you impact or change it? From his 20 plus years in and around senior executive leaders, Conrad will share with you his experiences and discuss why personal branding is important for all employees and how it can and should be managed in today's culturally diverse work environment.





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2018 Outstanding Community Service Award



CIE/USA-DFW recognizes and thanks

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2018 Sponsor List



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The ACP Foundation (ACP)

The Dallas Ft. Worth Asian- American Citizens Council (AACC)

**The DFW Chapter of the Organization of Chinese Americans
(OCA-DFW)**

US-China Chamber of Commerce of Dallas (USCCC-Dallas)



2018 Young Achiever Award

Chair: James C. Wainerdi, P.E.

The Young Achiever Award (YAA) is one of CIE/USA-DFW flagship programs. The YAA is designed to encourage the younger generation of CIE members to achieve high academic performance, develop leadership skills, develop strong interest in science and engineering, and excel in extracurricular and community volunteer activities. These well-rounded skills will enable them become strong leaders in this very competitive global market place, and achieve the greatest possible impact in our community.

CIE/USA-DFW is honored to have the professionals from various industries serve as judges in selecting the YAA recipients. All the 19 award recipients were recognized to be truly outstanding based on their extraordinary achievements in academic performance, demonstration of exemplary leadership, and voluntary involvement in community activities.

Impressive accolades of the 2018 award recipients include:

Academic Achievements:

- Top class rankings in their respective schools

Science and Engineering Achievements

- USA Mathematics Olympiad Qualifier
- Regional science fair award
- International Sustainable World Energy, Engineering, and Environment Project
- US National Chemistry Olympiad, Honors
- 3rd Place in Texas Junior Academy of Science and qualified for Team USA Triathlon
- Quizbowl national champion
- TAMS Research Scholar focusing on filtration systems using porous materials
- State Champion, UIL Number Sense, Mathematics, and Science

Community Service and Leadership Achievements:

- Combined thousands of hours of community service
- President's Volunteer Service Award Gold, Silver and Bronze Medals
- Founders, presidents and vice-presidents of multiple clubs and organizations

Special Talent and Interest Achievements:

- Multiple robotics championships
- Multiple all-state and national youth orchestras, bands and choirs
- Multiple art competition winners
- Multiple sports activities including volleyball, tennis, swimming and martial arts

The YAA trophies and scholarship will be presented to the recipients during the evening banquet of the CIE/USA-DFW annual convention on Saturday, August 18th, 2018 at the Renaissance Hotel in Richardson, Texas.



2018 Young Achiever Recipients



Alice Hou
Texas Academy of
Math and Science;
Jasper High School



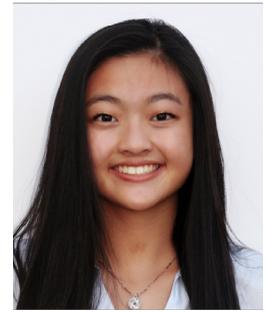
Amanda He
Plano West
Senior High



Cindy Lu
The Hockaday
School



David Qian
Texas Academy of
Math and Science



Emily Shen
Texas Academy of
Math and Science



Emily Zhu
Marcus High School



Eric Zhang
Jasper High School



Grace Zhao
Highland Park High
School



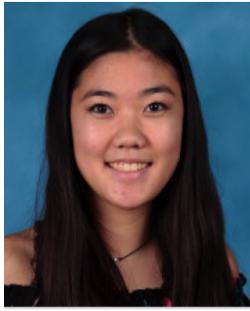
Ian Joshi
Plano West
Senior High



Jacqueline Jia
Texas Academy of
Math and Science



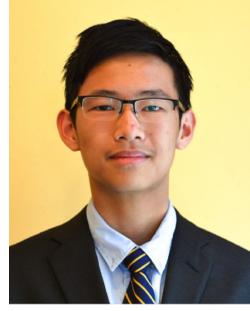
Jiye Xu
Plano West
Senior High



Joanna Wang
Colleyville Heritage
High School



Jonathan Liu
Jasper High School



Michael Zhan
Highland park
High School



Michelle Jiang
Plano West
Senior High



Oliver Shi
Wakeland
High School



Ryan Mok
LebanonTrail
High School



Shirui Zhong
Plano West
Senior High



Stella Yan
Coppell High School



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兴趣 才艺	机器人，幼儿美术，初中级美术，素描，国际象棋，幼儿/成人民族舞，健身操，太极，瑜伽... 任课老师均为资深专业人士，深受历届学生和家长的喜爱与好评。

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计算机奥林匹克班(USACO)

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上课地址：John Paul II High School
900 Coit Road, Plano, TX 75075

- 师资优秀，教书育人，专业水准高，有口皆碑，有勤恳从事海外中文教育20多年的老师，还有具备教育专业高学历，经验丰富的老师。
- 我校学生在SAT I I 中文考试，A P中文考试中均取得优异成绩。中文C B E考试100%通过。在中文演讲比赛中，中华文化及才艺大赛中成绩斐然。

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2017-2018 CIE/USA-DFW Activities and Events

Date	Event	Event Chair	Location
August 19, 2017	2017 Annual Convention	Dr. Allan Zhong	Renaissance Richardson Hotel
August 19, 2017	2017 Fall Symposium	Will Zhou	Renaissance Richardson Hotel
January 13, 2018	CIE Orientation	Dr. Allan Zhong	Texins Fitness Center
January 27, 2018	2018 CIE 4 th Annual CIE/USA-DFW VEX Robotics Competition (VRC)	Dr. Zhujun Li	Wilson Middle School
February 24, 2018	2018 CIE Night	Xin Yang	JS Chen Dim Sum & BBQ
March 31, 2018	2018 Young Professional Social	Kevin Liang Linwei Zhang	Boba Latte
April 7, 2018	2018 Spring Technical Symposium	Dr. Jensen Newman	South Methodist University
April 21, 2018	2018 Chinese Speech Contest	Hailong Jin	The University of Texas at Dallas
June 2, 2018	2018 CIE MathComp / MathFun	Dr. Lun Tsuei Dr. Sean Luo	Collin College Spring Creek Campus
June 30, 2018	2018 DFW Youth English Speech Contest	Marrisa Yang	Collin College Spring Creek Campus
July 1, 2018	Dallas Chinese Youth Camp (CYC)	Ting-Whai Lee	The University of Texas at Arlington
July 21, 2018	Young Professional Lunch Social	Kevin Liang	Bethany's Cafe
July 23, 2018	Sponsored Program: 2018 Com- munity Youth Leadership Camp (CYLC)	Shannon Chen	Texas A&M University-Commerce
August 18, 2018	2018 Young Achiever Award (YAA)	James Wainerdi	Renaissance Richardson Hotel



2017 CIE/USA-DFW Annual Convention

CIE/USA-DFW Annual Convention

Chair: Dr. Allan Zhong

CIE/USA-DFW celebrated its 28th anniversary and CIE/USA Centennial at the Annual Convention's evening banquet at the Renaissance Richardson Hotel on August 19th, 2017, where the organization's accomplishments were recognized by local governments, corporations, universities, and community organizations.

Nine cities in the DFW area, including Addison, Allen, Carrollton, Dallas, Garland, Irving, McKinney, Plano, and Richardson, issued a Proclamation for CIE Day in appreciation of CIE/USA-DFW's contribution to the community. Four companies, including Oncor, Texas Instruments Incorporated, BNSF Railway, and Diodes, Inc., were presented with the Individual Outstanding Community Service Award. During the evening banquet, Dr. Mark Spong, Dean of Erik Jonsson School of Engineering & Computer Science at The University of Texas at Dallas, presented a banquet keynote speech on "People and Robots Working Together"; Dr. Faa-Ching Wang, founding president of CIE/USA-DFW, presented a centennial keynote speech on "Evolution of Civilization - Path of Engineering the Impossible to the Possible".

Four individuals and one corporation were presented centennial medals for their outstanding contributions to CIE/USA: Dr. Faa-Ching Wang, Mr. Mark Carpenter, Dr. Keh-Shew Lu, Mr. Thomas Wu, and Texas Instruments Incorporated. About 400 people attended the evening banquet.



Richardson Mayor Paul Voelker at VIP reception



Dr. Xinfen Chen, Grace Tyler and Dr. Mark Spong were the recipients of Individual Outstanding Community Service Award



Dr. Allan Zhong, 2017 Convention Chair, presenting the opening remarks



Dr. Claire Jung, 2017 CIE/USA-DFW President, presenting the annual report



2017 CIE/USA-DFW Annual Convention



Dance performance by CYLC counselors



Dance performance by YAA recipient



Saxophone performance by YAA recipient



Banquet master of ceremony Samuel Y. Liu



Banquet keynote speaker Dr. Mark Spong receiving appreciation plaque



Centennial keynote speaker Dr. Faa-Ching Wang receiving appreciation plaque and Centennial Medal



Dr. Keh-Shew Lu receiving his Centennial Medal



Mark Carpenter receiving his Centennial Medal



2017 CIE/USA-DFW Annual Convention



Thomas Wu receiving his Centennial Medal



Bing Xie receiving the Centennial Medal for Texas Instruments Incorporated



Evening banquet



Instrument ensemble performance

CIE/USA-DFW Chair Edward Yu and President Dr. Claire Jung presented Corporate Outstanding Community Service Award



Jim Greer, EVP & COO, Oncor Electric Delivery Company



Bing Xie, SVP, Texas Instruments Incorporated



Dr. Keh-Shew Lu, CEO, Diodes, Inc.



Kim Cummings, AVP, BNSF Railway



2017 CIE/USA-DFW Annual Convention



Shawn Xiong, VP Youth Programs kicking off the YAA award ceremony



James Wainerdi recognizing YAA recipients



Dr. Jinrong Qian, VP & BU Manager, Texas Instruments Incorporated, with YAA recipients



Jim Greer, EVP & COO, Oncor Electric Delivery Company, with YAA recipients



Francis Tang, VP, Discrete Business Group, Diodes, Inc., with YAA recipients



Kim Cummings, AVP, BNSF Railway, with YAA recipients



Ty Bledsoe, VP of External Affairs AT&T, with YAA recipients



2018 CIE leadership team



2018 CIE/USA-DFW Celebrations

CIE Night

Chair: Xin Yang

On February 24th, 2018, CIE/USA-DFW celebrated Lunar New Year during CIE Night, which is an enjoyable event for CIE/USA-DFW members, volunteers and sponsors. During the event, we showed our appreciation to our volunteers who supported CIE events in the past year. Continuing a new tradition started in 2017, outstanding volunteer awards were presented to Elaine Kung and MARRISA YANG for their sustained contributions to CIE/USA-DFW.

There was a social hour before the start of the formal programs, and the programs promoted interaction among the audience members. More than 120 guests attended the dinner banquet and watched the beautiful performances. Many participated in the interactive games; quite a few lucky guests won prizes from raffle drawings. It was a relaxing and laughter filled event.



Laughter at CIE Night



Laughter at CIE Night



2017 Outstanding Volunteers: Elaine Kung and MARRISA YANG with 2017 President Dr. Claire Jung



Playing games



2018 CIE/USA-DFW leadership team at CIE Night



CIE Night MCs: Anne Ou and Jimmy Liu



Chinese traditional instrument performance



Dance performance



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2017 Technical Session

Fall Technical Symposium

Chair: Will Zhou

The Annual Fall Technology Symposium was held in conjunction with CIE/USA-DFW's 28th anniversary annual convention on August 19th, 2017, at the Renaissance Richardson Hotel. The theme of the symposium was "Engineering the Impossible for the Next Centennial".

In addition to keynote session, it offered three tracks consisting of:

- 1) Machine Learning and Artificial Intelligence
- 2) Advance in Healthcare and Biometrics
- 3) Leadership and career development.



David Lu, VP, AT & T presented on "Unleash Your Imagination - Innovation Opportunities for the Next Century"



About 400 people attended the symposium



Tony Chang, VP, Huawei US R&D Center, presented on "Data Intelligence Enables Intelligent R&D"



Seema Deshpande, Director, DLP systems development Texas Instruments Incorporated presented on "Forging into Future with Intelligent Machines and Technologies that Enable Them"



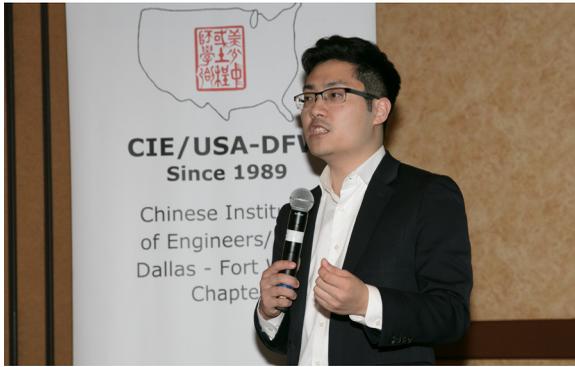
Presentation of appreciation plaques to keynote speakers



Dr. Power Zhao, keynote session moderator



2017 Technical Session



Tim Hwang, CEO, FiscalNote presented on “Fiscal Note, Machine Learning and the 21st Century Oil Rush”



Dr. David Trichler, Director Strategy and Technology, Oncor Electric Delivery Company presented on “Engineering the Future”



Dr. Logan Song, Founder and President, DFW Chinese IT Associations, LLC, presented on “Mission Impossible: Artificial Intelligence Engineering”



Dr. Jensen Newman, session chair for “Machine Learning and Artificial Intelligence”



Dr. Jinmin Gao, Professor UT Southwestern, presented on “pH Transistor Nanomachine for Cancer Surgery and Immunotherapy”



Dr. J-C Chiao, Professor, UT Arlington, presented on “Mobile Healthcare”



Dr. Walter Voit, Professor, UT Dallas, presented on “Engineered Polymer Interfaces for Bioelectronics and 3D Printing”



“The Advance in Healthcare” session



2017 Technical Session

Change and Transformation
 Power of your P.E.N.
 What is your personal brand
 Building & Communication – know your personality
 How to create a positive network of influence



Elaine Kung, Director Network on Demand, AT&T presented on “Effective Personal Branding and Communications”



Jennifer Jao, Divisional Information officer, Toyota North America, presented on “Personal Brand: What Is Your Personal Brand”



Kim Cummings, AVP, HR & Diversity, BNSF Railway, presented on “Networking How to Create a Positive Network of Influence”



Panel discussion for the “Leadership and Career Development” session



Panel discussions at the “Advance in Healthcare and Biometrics” session



Panel discussions at the “Machine Learning and Artificial Intelligence” session



Raffle prize winner



Speaker Tim Hwang at the symposium



2018 Technical Session

CIE/USA-DFW Orientation

Chair: Dr. Allan Zhong

The 2018 CIE Orientation was held at Texins Fitness Center on Saturday, January 13th, 2018. The goal was to present an overview of CIE/USA-DFW to new board members, new officers, new program chairs, and new members. It also provided an opportunity for all of us to know each other in person.

The orientation included a brief introduction on officers' roles, goals and plans, CIE history and vision, bylaws, networking session and team building activities. Over 30 people attended the orientation.



Networking at the orientation



2018 CIE officers group photo



CIE Advisor Dr. Faa-Ching Wang presented the vision and strategy



Policy Advisor Sheana Chen presented the bylaws



CIE Board Member Grace Tyler presented a few scenarios for attendees to think about



2017 President Dr. Claire Jung showcased 2017 achievements



2018 EVP Simon Chang presented his roles and goals for 2018



2018 Convention chair/co-EVP Shawn Xiong focused on convention organization



2018 VP Secretary Greg Nichols presented his goals and plans



2018 VP PR Dr. Huang-Chun Wen presented on how to promote CIE



2018 VP of Young Professionals Kevin Liang presented 2018 plans



2018 VP Youth Programs Dr. Lun Tsuei presented his role and plans in 2018



2018 Technical Session

2018 Spring Symposium

Chair: Dr. Jensen Newman

On April 7th, 2018, the CIE/USA-DFW chapter held its annual Spring Technical Symposium. This year, CIE/USA-DFW collaborated with IEEE Dallas Section and Southern Methodist University (SMU) to bring together six exciting presentations on “Advances in Artificial Intelligence and Machine Learning (AIML) and their Applications”. Presentations ranged broadly across subjects from energy, to healthcare, and even the foods we enjoy.

The first speaker was Mr. Tony Bruton of Oncor Electric Delivery. He provided deep insights into how AIML is being used to improve our electricity delivery. Next was Professor Eric Larson from SMU, who described how he is leveraging AIML to develop a mobile health application that will reduce the frequency of our physician visits. After Prof. Larson, Dr. Lin Wang discussed how American Airlines is leveraging AIML to recommend travel destinations to flyers and improve their overall customer experience. Next, Dr. Satish NAT&Ti of DNV GL delivered a talk that complimented Mr. Bruton’s very well. He described how DNV GL also uses AIML to improve energy service and gave many exciting examples. Dr. Satwik Rajaram was the next speaker. He described how AIML is allowing new insights into drug development and cancer treatment that would not be possible from human data processing alone. Last but not least, Mr. Shahmeer Mirza provided many great examples of how PepsiCo uses AIML to improve product consistency and customer satisfaction in snack food.

In addition to all the technical speakers, Dr. Marc Christensen, the Dean of The Lyle School of Engineering at SMU, was on hand to deliver opening remarks.

Following individual presentations, there was a panel discussion with all the speakers moderated by Dr. Yannan Sun. Attendees raised many great questions during this discussion, and talks probably would have lasted well into the night if not for time constraints.

Dr. Allan Zhong, CIE/USA-DFW Chapter President, and Dr. Jensen Newman, symposium chair, presented appreciation plaques to Dr. Christensen, all the distinguished speakers, and Dr. Sun, the panel discussion moderator, for their contributions to the symposium.

The event was very well attended with nearly 400 people registered.



2018 Technical Session



Symposium volunteers



Registration desk – all first time CIE volunteers



Capital One Booth



Presentation of appreciation plaque to Dr. Marc Christensen, Dean of Lyle School of Engineering at SMU, by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



Speaker presentation



Symposium audience



Presentation of appreciation plaque to Tony Bruton, Director of Trans. & Dist. Sys., Oncor, by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



Presentation of appreciation plaque to Professor Eric Larsson, SMU, by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



2018 Technical Session



Presentation of appreciation plaque to Dr. Lin Wang, American Airlines, by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



Presentation of appreciation plaque to Dr. Satish NAT&Ti, DNVGL by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



Presentation of appreciation plaque to Dr. Satwik Rajaram, Professor, UTSW by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



Presentation of appreciation plaque to Shahmeer Mirza, Pepsico, by Dr. Allan Zhong, CIE/USA-DFW President, and Dr. Jensen Newman, symposium chair



Panel discussions after individual presentations



Dr. Yannan Sun, panel discussion moderator

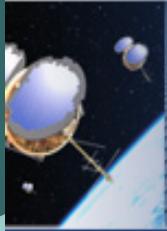


Symposium organizers and speakers



American Airline guests and Dr. Allan Zhong





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Science and Technology Division, Taipei Economic & Cultural Office in Houston



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 **TEXAS INSTRUMENTS**

2018 Youth Programs

VEX Robotics Competition

Chair: Dr. Zhujun Li

The 4th annual CIE/USA-DFW VEX Robotics Competition was held on January 27th at Wilson Middle School. Hundreds of talented middle school and high school students, forming twenty-two teams, participated in the first CIE Youth Program of 2018.

VEX Robotics Competition, which has more than 18,000 teams from 40 countries playing in over 1,350 tournaments, is the world's largest and fastest-growing robotics competition for middle school and high school students. It is presented by the Robotics Education & Competition Foundation (REC), and each year, teams of students are tasked with designing and building a robot to play against other teams in a game-based engineering challenge. This year's theme is "In the Zone", where the competition is played on a 12'x12' square field. Two alliances - one "red" and one "blue" - composed of two teams each, compete in matches consisting of a fifteen second autonomous period followed by one minute and forty-five seconds of driver-controlled play. The objective of the game is to attain a higher score than the opposing Alliance by "Stacking Cones on Goals", by "Scoring Mobile Goals in Goal Zones", by having the "Highest Stacks", and by "Parking Robots".

During the competition, teams also gained experience by interviewing with engineering judges for an array of qualitative merit awards. After a full day's exciting tournament, the alliances formed by the teams 9090A and 9090C (The Mandarin Chinese School) won the tournament championship through a highly competitive and thrilling final match. Team 5408A (Sachse High School) was awarded the Excellence Award by the judges. These three teams advanced to the Texas Regional Championship and the CREATE U.S. Open.

We would like to appreciate the great service provided by six quality volunteer judges, all engineers or teachers and student from companies: Chief Judge Dr. Scott Summerfelt (Texas Instruments Incorporated), Judges Dr. Dongjie Huang (AT&T), Dr. Fred Wittle (Richland College), Dr. Xinfen Chen (Texas Instruments Incorporated), Emily Tang (Student from MIT), Dr. Jian Liu (Texas Instruments Incorporated).

There was also a Robotics Education Seminar held from 2:00 p.m. to 3:30 p.m. About 50 people attended the seminar. Mr. Ruben Lopez, the REC Foundation Regional Support Manager, introduced the REC Foundation and VEX Robotics. Mr. Henry Liu, a 4-times World VEX Tournament Champion, talked about his experience and tips on organizing teams and preparing for tournaments. The last speaker, Mr. Oscar Vazquez, was a high school national robotics competition champion, and is currently a business analyst at BNSF Railway. He was featured in the movie "Spare Parts" for his high school achievements in robotics competitions. Mr. Vazquez gave a very inspirational speech by sharing how participating in a robotics club changed his life path. His speech and informative Q&A session inspired all attendees to learn more about robotics, and possibly to participate in future competitions.

About 220 people attended the event. Of those, 45 were volunteers consisting of CIE members, students from UTD, and local high school students. Their dedication to our community made this event possible.

Special thanks go to our sponsors Oncor Electric Delivery Company, Texas Instruments Incorporated, and Cindi's New York Delicatessen.



2018 Youth Programs

2018 CIE VEX Robotics Competition Award Winners

Award	Team	School/organization
Tournament Champions	9090A (T-VEX)	The Mandarin Chinese School, Arlington, TX
	9090C (T-VEX)	The Mandarin Chinese School, Arlington, TX
Design Award	18429A(LexTechX Rrobotix)	Lexington ISD, Lexington, TX
Judges Award	2019F (APEX)	Flower Mound High school, Flower Mound, TX
Robot Skills Winner	9090A (T-VEX)	The Mandarin Chinese School, Arlington, TX
Excellence Award	5408A (Sachse Apollo)	Sachse High School, Sachse, TX



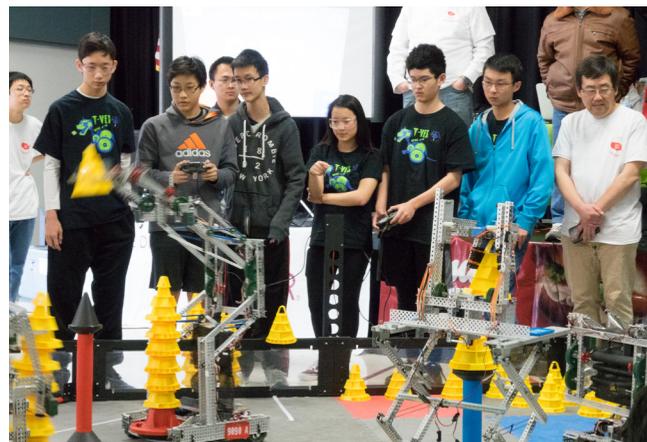
Tournament Champions (9090A, 9090C) with judges Dr. Jian Liu and Dr. Scott Summerfelt (Texas Instruments Incorporated)



VEX Robotics competition chair: Dr. Zhujun Li



Competition Referees and Judges



Final match



2018 Youth Programs

MathComp/MathFun

Chairs: Dr. Lun Tsuei and Dr. Sean Luo

CIE/USA-DFW successfully held the 29th annual MathComp/MathFun on Saturday, June 2nd, 2018, at Collin College Spring Creek Campus. MathComp/MathFun is the flagship youth program of CIE/USA-DFW, featuring a math competition for students from first through eighth grade, a parenting seminar, and a math fun fair. The goal of the program is to help students discover and develop their interest in science, technology, engineering, and mathematics (STEM). This year's event attracted close to 1,000 participants from the Dallas-Fort Worth Metroplex area, including around 300 contestants, their family members, educators, MathFun supporters, and volunteers.

While the contestants were taking their tests, the parents and guests attended the parenting seminar and panel discussion. Mathew Tovar was the Master of Ceremony and moderator for this session. Three panelists, Dr. Zuming Feng from Phillips Exeter Academy, and two local students Katherine Xiong and Vincent Huang, were invited to share their education and learning experiences in mathematics. Dr. Feng is a distinguished educator in youth math programs, and former USA International Mathematical Olympiad Head Coach. His speech "Why Do We Do Extra Curricular Math Activities" illustrated many benefits of practicing mathematics skills in daily activities. Katherine Xiong is a recent graduate from the Texas Academy of Math and Science, and an incoming freshman at MIT. Her story, "My STEM Journey", was insightful and her talk was engaging and humorous. Vincent Huang just finished his junior year at Plano West Senior High School. Vincent has been active in high school math contests, and he qualified for the 2017 and 2018 USA International Mathematics Olympiad teams. His speech was about "Lessons from Math Contests". The audience enjoyed hearing about his personal experiences at math competitions. After the three speakers' presentations, the panel discussion drew many interesting questions from the audience. The topics ranged from how to stimulate students' interests in mathematics, to how/whether a nation's emphasis on STEM would help industrial innovations. The parenting seminar and panel discussion was such a success that the moderator had to remind the parents that their children had finished the tests, and the MathFun fair had already started.

After their tests, the students rushed out of the classrooms and enthusiastically participated in MathFun, an interactive program designed for students to broaden their critical thinking skills and to learn to apply mathematics to real life. MathFun included math puzzles, brain teasers, science games, chess, electric circuits, and robotics demonstrations. Participants earned points from solving problems and winning games to be exchanged for prizes. Everyone was impressed to see the excitement and joy of the participants. Thirteen MathFun providers participated this year: CIE/USA-DFW, Texas Instruments Incorporated, Oncor Electric Delivery Company, IdeaMath, Dallas Modern Chinese Language School, Magic Math Plano, Dallas Youth Volunteer Association (DYVA), UT Dallas Chess Program, The Prometheus Academy (Gray Matter), Front Line Youth in STEM, Girls In STEM, 31 Realty, and Discovery Montessori Academy.

The award ceremony started with opening remarks by Dr. Allan Zhong, President of CIE/USA-DFW. It was followed by an inspirational speech presented by Jimmy Liu. Mr. Liu's speech "Yes, I Can!" was enthusiastic and dynamic. He encouraged all the students not to give up while facing challenges. The award ceremony reached its climax when the award winners were announced. The sponsor representatives and CIE board members presented trophies to 48 winners. In addition, 50 students received honorable mentions. The award ceremony concluded with a lucky drawing, where six students won eardrop electronics and cash prizes donated by CIE/USA-DFW and 31 Realty.

2018 CIE MathComp/MathFun was chaired by Dr. Lun Tsuei and Dr. Sean Luo. The Master of Ceremony was Xin Yang. The program committee and CIE/USA-DFW would like to express their sincere appreciation for all volunteers and corporate sponsors (Texas Instruments Incorporated, Oncor Electric Delivery Company, Huawei Technologies Co., Ltd, Cindi's New York Delicatessen, Halliburton, and Southwest Bank) for their contributions to make this event a great success.



2018 Youth Programs



1st Grade winners and award presenter
Yanli Fan, Texas Instruments Incorporated



2nd Grade winners and award presenter
Ellen Buck, Oncor Electric Delivery Company



3rd Grade winners and award presenter
Anh Vo, Cindi's New York Delicatessen



4th Grade winners and award presenter
Dr. Sean Yin, Halliburton



5th Grade winners and award presenter
Dr. Zuming Feng, Phillips Exeter Academy



6th Grade winners and award presenter
Kim Cummings, CIE Board of Director



7th Grade winners and award presenter
Grace Tyler, CIE Board of Director



8th Grade winners and award presenter
Dr. Claire Jung, CIE Board Chairwoman



2018 Youth Programs



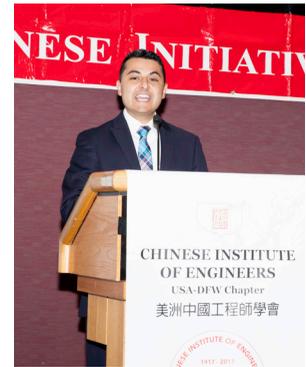
CIE/USA-DFW President
Dr. Allan Zhong



MCMF program chairs
Dr. Lun Tsuei and Dr. Sean Luo



Master of ceremony
Xin Yang



Parenting seminar moderator
Mathew Tovar



MathComp/MathFun volunteers



Parenting seminar speakers and panelists (left to right):
Vincent Huang, Katherine Xiong, and Dr. Zuming Feng



Parenting seminar and panel discussion



Parenting seminar and panel discussion



Award ceremony



Award ceremony



Inspirational speech by
Jimmy Liu



2018 Youth Programs



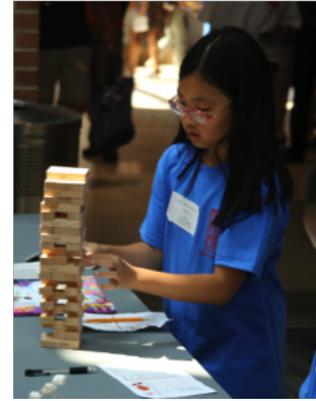
MathFun fair



MathFun booth



MathFun booth



MathFun booth



MathFun fair



MathFun booth

2018 CIE/USA-DFW MathComp/MathFun AWARD WINNERS

1st Grade	1st	Colin Wei	4th	Madeline Xing	Honorable Mentions	David Xiao, Mitra Amin, Andrea Tang, Aurora Cai, Tristan Kachmar	
	2nd	Daniel Zhou	5th	Joshua Shu			
	3rd	Karen Li	6th	Brian Wu			
2nd Grade	1st	Prajit Saravanan	4th	Leo Zhang			Bryan Li, Devin Li, Jiayan Wang, Benjamin Kim, Samuel Li, Hamza Ghazi, Thomas Wu
	2nd	Jay Yi	5th	Bryan Kuang			
	3rd	Evan Tsai	6th	Amber Lin			
3rd Grade	1st	Jeffrey Xu	4th	Charlotte Li			Edgar Poon, Calvin McKee, Cindy Zhang, Alexander Zhao, Leo Li, Michael Chang, Mary (Lixuang) Jiang
	2nd	Shourya Vyas	5th	Keshav Anand			
	3rd	Andrew Lu	6th	Katie Ma			
4th * Grade	1st	Ehtan Poon	4th	Kayden Zhong			Ekam Kaur, Tyler Yi, David Hu, Aaron Kuang, Michael Yang, Tiffany Zhang, Sarah Johnson, Henry Zhu
	2nd	Harini Venkatesh	5th	Edward Mou			
	3rd	Hayden O	6th	David Liu			
5th Grade	1st	Andrew Yu	4th	Matthew Xie	Matthew Cai, Ethan Feng, Yash Goudar, Joshua Ye, Audrey Perry, Jessie Wang, Annie Li, Ellen Li, Alan Huang, Benjamin Chen, Eddie Fu, Teagan Gao		
	2nd	Saharsh Bejugam	5th	Eddie Huang			
	3rd	Jonathan Wang	6th	Linyang Lee			
6th Grade	1st	Aaron Zhou	4th	Chenxi Zhang	Alex Zheng, Elise Cho, Albert Jiang, Eric Yang, Anthony Xu		
	2nd	Kevin Wang	5th	Kevin Lu			
	3rd	Andon Epp	6th	Max Yin			
7th Grade	1st	Otto Beall	4th	Eric Shi	Brady Zeng, Michelle Xing, Patrick Lu, Bruce Chen, Charles Cheung		
	2nd	Mckinley Xie	5th	William Dai			
	3rd	Weito Shi	6th	Shriya Bhat			
8th Grade	1st	Nathan Ma	4th	Kyle Chen	(None)		
	2nd	Yifan Guo	5th	Zach Li			
	3rd	Howard Ding	6th	Kavin Pari			

(*4th grade award winners list has been corrected)



2018 Youth Programs

Chinese Youth Speech Contest

Chair: Hailong Jin

The 8th North Texas Chinese Speech Contest was sponsored by CIE/USA-DFW and organized by the North Texas Chinese Culture Promotion Association (NTCCPA). It was held at the University of Texas at Dallas (UTD) on Saturday, April 21st.

This year's speech contest received strong support from 70 public and private schools in the North Texas area. The contest attracted 176 students from Pre-K through Grade 12, in which about 30% of the contestants originated from non-heritage families. The contest was judged using Toastmaster International rules administered by Ms. Grace Tyler, chief judge. Ms. Tyler organized the rules and provided training to the judges to ensure a fair and balanced competition. Prior to the contest, two free speech skill trainings were taught by Ms. Sandra Dennis, an experienced ISD teacher and Ms. Rui Wang, a Chinese youth speech specialist. Eleven committee members, along with more than 80 volunteers, supported this event.

Group / Grade	1st Place	2nd Place	3rd Place
A1:K	Jade Chen	Aadya Kumar	Alex Wang
A2:K	Harry Yang	Frank Zhou	Angelina Wu
A3:K	Jason Pi	Issac Yang	Chloe Li
A4:K	Kristen Chen	Allen Xuan	Adrian Wu
A5:1st	Kevin Wang	Wendi Chan	Joshua Shu
A6:1st	Chingching Zhong	Melody Jing	Chloe Ni
A7:1st	Andrew Huang	Siyu Bo	Victor Kong
A8:2nd	Emily Chen	Kathleen Jiang	Leo Zhang
A9:2nd	Cayden Chen	Calvin Jiang	Jay Yi
B1:3rd	Ruofei Li	Eric Tang	Leo Li
B2:4th	Lexing Wei	Brad Bai	Nicole Huang
B3:5th	Andrew Li	Erin Yuan	Kristin Liu
C1:6-8	Melody Tian	Grace Wang	Richard Li
C2:6-8	Allison Pan	Alex Chen	Helen Lei
D1:9-11	Victor Tsao	Ashley Pan	
E1A:K	Nikila Rajan	Annika Vargason	Neel Chugh
E1B:1st	Jackson Ervin	Nancy Hernandez	Isobel Guzzi
E2:2nd	Shelbie Levingston	Elizabeth Galeano	Julian Gatje
E3:3rd-5th	Cooper Medlock	Millie Petris	Emilia Romanelli
E4:7th-8th	Isabel Martinez	Kennedy Kleck-Bubrig	Saara Bidiwala
F1:9th-11th	Sohee Chung	Chantal Meyer	Jordan Walker



CSC UTD Director Mr. Gu at the contestant briefing



Chinese Speech Contest (CSC) committee and award presenters



2018 Youth Programs

DFW Youth English Speech Contest

Chair: Marrisa Yang

The 2018 DFW Youth English Speech Contest was held on Saturday, June 30th, at the Collin College Conference Center at Spring Creek. This event served to promote interest in public speaking, provide a platform for participants to demonstrate their speaking skills, foster self-confidence, and recognize participants' talents in inspiring others. Ninety-eight students from grades 1 to 12 registered for this event. Over 200 family members and friends, plus nearly 100 event volunteers, were there to support them.

Ms. Yang and members of the contest committee worked for months to make the contest fair, fun, and successful. Chief Judge Ms. Grace Tyler recruited 20 highly experienced contest judges, who are all members of Toastmasters International. In addition, Ms. Monica Dirden, 3rd place winner at the 2015 Toastmasters International Speech Contest Semifinals, gave an inspirational speech at the award ceremony. The participants were excited and encouraged by Ms. Dirden's speech "Hold On", where she talked about trusting one's path throughout the twists and turns in life.

Grade	1st Place	2nd Place	3rd Place	Honorable Mention
1st	Alex Deng	Varshini Arulkumaran	Mitra Amin	
2nd	Madeleine Chi	Audrey Carpenter	Kathleen Jiang	Jay Yi, Renee Yang, Xiyu Yang
3rd	Ruofei Li	Esther Zhou	Olivia Ye	Jenny Chu, Anika Varadharajan, Mary Jiang
4th	Harini Venkatesh	Aakash Arulkumaran	Fay Xu	Alice Chi, Lindsey Zhao, Victor Xu, Kaitlyn Fan, Andrew Zhang, David Hu
5th	Prisha Bhat	Sunnie Wang	Saharsh Bejugam	
6th	Sanjana Arulkumaran	Sum Yu Tian	Zadie Guo	Grant Hu, Faith Zhao
7th	Shriya Bhat	Brian Zhou	Aditi Amin	Advika Varadharajan
8th	Olivia Fan	Amy Xinyi Tian		
9th-12th	Jennifer Su	Cedric Zhou	Michael Xu	



Youth English Speech Contest winner



2018 Youth Programs

Community Youth Leadership Camp (CYLC)

Chair: Shannon Chen

CIE/USA-DFW sponsored the Community Youth Leadership Camp hosted by Hai-Hwa Foundation from July 16th to 21st at Texas A&M University-Commerce. Four hundred campers and fifty teachers, college students, and volunteers attended a week-long camp program.

This year's theme was "Gratitude," as part of CYLC ongoing mission to provide direction, leadership, and guidance for aspiring American youth. The week ended with an exciting closing ceremony with outstanding performances. Campers made films, highly-coordinated dance routines, and clever skits reflecting the knowledge gained during the camp.



2018 Youth Programs

DFW Chinese Youth Camp

Chair: Ting Whai Lee

CIE/USA-DFW sponsored another successful youth event, the 2018 DFW Chinese Youth Camp (CYC), which was held from July 1st through July 7th. Two hundred forty-six campers from ages eight to sixteen participated in the summer camp activities and were supported by 44 counselors and assistant counselors from ages 15 to 18.

Four teachers held cultural classes to teach Chinese folk dance and Chinese folk activities. Among them, one teacher was from the Overseas Community Affairs Council of Taiwan ROC, and another teacher was from Taiwan.

The dances taught included lion heads, flags, baskets, fans, and more. Campers enjoyed learning various tricks with the Chinese yo-yo in folk activities. In addition, several local teachers taught classes in subjects, such as art, street dance, APAA (Asian Pacific American Advocates), lion dance, health, Kung-Fu, Chinese calligraphy, Chinese painting, and STEM. During STEM courses, the students enjoyed challenging themselves with different problem solving tasks and limited supplies while learning about STEM (science, technology, engineering, and mathematics). Campers also brought many souvenirs home such as paintings of carrots and turnips, and masks.

The 2018 DFW CYC ended with a wonderful and exciting closing ceremony presented by the campers and counselors. Parents were highly impressed by the performances and with the progress made by their children during the camp week. They saw how their children developed and grew from the experience, and through the performances, they could see how their children made memories and lasting friendships. The performances have been uploaded on CYC's YouTube channel (www.youtube.com/cycdallas) for everyone's viewing pleasure.

We are all a huge CYC family, and we cannot wait to see everyone come back next year!



The purpose of CYC is to educate youth in the Dallas area about Chinese culture, to build lasting friendships and memories, and to provide leadership training and opportunities.



2018 Young Professionals

Young Professional Social

Chairs: Kevin Liang and Linwei Zhang

The CIE Young Professional group held their first social event of the year at Boba Latte on March 31st, 2018. It was a great opportunity for students and young professionals in the Dallas/Fort Worth area to unwind and enjoy some delicious bubble tea! There were lots of scintillating conversations, with some of the young professionals giving resumé and interview advice to the current students at local universities. Attendees learned a lot while having fun. There was definitely a sense of excitement for the next Young Professional event.



Introducing attendees to CIE/USA-DFW



Networking



Networking



Career discussion



Linwei giving advice on job interviews



2018 Young Professionals

Young Professional Social Lunch

Chair: Kevin Liang

The CIE Young Professional group held their second social at Bethany's Cafe on July 21st, 2018. This time it was a lunch social, and when everyone finished their meals, the attendees broke into groups of five for an icebreaker game! The rules of the game were simple: every group of five had five minutes to come up with five interesting facts that all members had in common. It was so much fun learning all the interesting facts about the attendees. The rest of the afternoon was filled with delightful conversations and new friendships! If you want to join in on the fun, be sure to be on the lookout for the next Young Professional event!



Attendees enjoying the food



Packed room



Round of introductions



Icebreaker game



Lively conversations



Making new friends





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Pursuing your dreams takes courage. Boeing is proud to support the fearless pursuits that take us to new heights.



About CIE

Mission

Chinese Institute of Engineers (CIE/USA) is dedicated to promoting engineering and scientific excellence, professional advancement and leadership development of Asian-Americans.

History

The Chinese Institute of Engineers was founded in 1917 in New York by a group of Chinese engineers who graduated from American universities and served in various industries in the United States. The main organization moved back to China during World War II, then moved to Taiwan. The American counterpart became a separate chapter. In 1977, the institute was renamed the "Chinese Institute of Engineers, USA (CIE/USA)," with a mission to serve members from all over the United States. Since then, seven area chapters, namely the Greater New York, San Francisco-Bay Area, Seattle, Dallas-Fort Worth, OCEESA, New Mexico, and South CAL chapters have been established.

CIE/USA works with other professional organizations to sponsor events, such as venture capital and management seminars, technical conferences, and high-tech exhibitions, and to promote joint interests and partnership in technology among the US, China and Taiwan. CIE/USA also co-sponsors the Sino-American Technology Engineering Conference (SATEC) in Beijing and the Modern Engineering and Technology Seminars (METS) in Taipei every other year.

CIE/USA-DFW Area Chapter

The Dallas-Fort Worth Chapter was established in January, 1989 and registered in the state of Texas as a non-profit organization in 1992. Over the years, the CIE/USA-DFW chapter has established close ties with major corporations and government bodies around the world. Leaders from these sponsoring organizations highlight every year's convention by sharing their experience and insight in business and technology at our evening banquet.

Membership Drive



Welcome!

2018 NEW MEMBERS & LIFE TIME MEMBERS!

CIE/USA-DFW Chapter membership provides value beyond professional development, as more than three hundred life members can attest. Programs sponsored by DFW Chapter are creative, educational, and diverse, providing insights into technology, personal communications, career development, investment strategies, and youth development. As a result, DFW Chapter has experienced tremendous growth in membership since 1989. DFW Chapter expects the growth to continue in the years to come.

Benefits of CIE/USA-DFW Chapter Membership

Technical Advancement - DFW Chapter provides firsthand and first class technical information through our members' affiliation with high-tech industries in the global market and international business.

Networking Opportunities - Attending DFW Chapter sponsored seminars and social activities within each technical group provide abundant networking opportunities.

Employment Opportunities - Attending DFW Chapter job related seminars and networking with our members who are managers in local Fortune 500 companies provides potential employment opportunities.

CIE Website - The DFW Chapter website (www.cie-dfw.org) provides news and highlights of DFW Chapter sponsored technical and non-technical seminars and notices of DFW Chapter sponsored business, educational, cultural, and social programs.

Special Discounts - DFW Chapter members enjoy discounts on attending the DFW Chapter annual convention and DFW Chapter sponsored events and activities. Discounts are provided by our sponsors and vendors.



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Qing Zhao	趙慶

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Changjian Feng	馮長健
Yung Sung Cheng	鄭永松

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Ningwu Zhang	張寧武

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Keith Wong	黃洸漢
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Kun-Lung Wu	吳坤龍
Monsong Chen	陳孟松
Yuying Gosser	仇玉英

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Scarlett Kwong	趙百淳
Tiezheng Zhao	趙鐵錚
Daniel Miao	
Tony Torng	佟儀
Wei Li	李偉

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Raymond Chen	陳宇哲
Simon Ma	馬思平
Andrew Fang	方自遠
David Fong	方玉山
Bill Kao	高耀京

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James Lee	李適中
Yong Zhou	周雍
Gina Li	李建平
Minggan Ma	馬明罡
Jinjiang Chen	陳錦江

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VP-Youth Programs	Lun Tsuei	崔倫
VP-Young Professionals	Kevin Liang	梁子傲
Co VP-Young Professionals	Linwei Zhang	張麟威

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Faa-Ching Wang	王法清	Qing Zhao	趙慶	



2018 Annual Convention Planning Committee



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Fall Symposium Chair

Jensen Newman

Jian Liu 劉建

Hanna Tong 唐夢玲

Fall Symposium Emcee

Jensen Newman

Power Zhao 趙慶

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Laura Jean Deluca

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Greg Nichols

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VIP Reception Chair

Shuyi Yan 嚴淑一

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Xinfen Chen 陳信芬

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Allan Zhong 鐘曉光

Jensen Newman

Power Zhao 趙慶

Guest Invitation

Allan Zhong 鐘曉光

Claire Jung 榮慶珊

Marrisa Yang 楊佳樂

Shawn Xiong 熊曉鷹

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Allan Zhong 鐘曉光

Simon Chang 張永山

Xinfen Chen 陳信芬

Election

Claire Jung 榮慶珊

Youth Programs

Lun Tsuei 崔倫

Shawn Xiong 熊曉鷹

VEX Robotics Competition

Zhujun Li 李竹君

MathComp/MathFun

Lun Tsuei 崔倫

Sean Luo 羅湘

Chinese Speech Contest

Hailong Jin 金海龍

English Speech Contest

Marrisa Yang 楊佳樂

CYLC Junior Leadership

Shannon Chen 李選能

Young Achiever Awards

James Wainerdi

CYC Camp

Ting-Whai Lee 李庭槐

CYLC Camp

Shannon Chen 李選能

Young Professional Programs

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Linwei Zhang 張麟威

Spring Technical Symposium

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Jinhong Liu 劉金紅

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