



2/3 participants to the fall symposium were from the DFW area, with guests all across the nation.



## 2021 Annual Convention Summary

On September 18th & 25th CIE/USA-DFW hosted the virtual fall symposium and annual convention. Hundreds of people registered for this two-day event. Among them, 2/3 of participants were from the DFW area, the rest were domestic guests as far as California and New York.

Our technical seminar was full of technical topics which covered medical, sensors and communications. Three invited speakers shared their current research and development works emphasizing the multidisciplinary trends and needs in solving practical problems, and career opportunities for the future.

Our technical executive forum invited 5 panelists with diverse backgrounds from different industries.

Our leadership and career development seminar invited three highly accomplished and seasoned leaders from the technology sector, addressing the human and leadership elements that are needed for success in the post-pandemic workplace.

All events received very positive feedback from the audience. The overall rating for the technical seminar is 4.57 out of 5. The overall rating for the leadership and career development seminar is 4.54 out of 5, the technical executive forum receives 5 out of 5 the highest rating.

CIE thanks all the speakers and panelists for making the annual convention a huge success!



2021 CIE/USA-DFW CONVENTION



# Technology Fusion – Thriving in a Post-Pandemic World

2021 CIE/USA-DFW CONVENTION

## SATURDAY, SEPTEMBER 18<sup>TH</sup>, 2021

*2:00 PM – 4:00 PM*

### **Fall Symposium (Technical Seminar)**

- “Cancer Immunotherapy, a Promising New Cancer Treatment,” Alec Zhang
- “Modern Smart Radar for Health and Activity Sensing,” Changzhi Li
- “Converged Network for Next Generation IoT,” David Lu

## SATURDAY, SEPTEMBER 25<sup>TH</sup>, 2021

*10:00 AM – 12:00 PM*

### **Technical Executive Forum (By Invitation Only)**

- Dr. Chi-Foon Chan, President & Co-CEO, Synopsys, Inc.
- Troy Graziani, Director of Credit and Customer Experience, Toyota Industries
- Paul Nichols, Executive Director, Institute for Innovation & Entrepreneurship, University of Texas at Dallas
- Dr. Daniel J. Siegwart, Associate Professor, University of Texas Southwestern Medical Center, & Co-Founder/Advisor, ReCode Therapeutics
- Steven Yahata, Vice President, Integrated Vehicle Systems, Boeing Research & Technology

*2:00 PM – 4:00 PM*

### **Fall Symposium (Leadership and Career Development)**

- “How a Strong Company Vision & Culture Propels Us in Times of Uncertainty #OnlyForward,” Gilma Saravia
- “Reflections on the Pandemic and How to Thrive Going Forward,” Gurshaman Baweja
- “Tend your Garden: Tips for Career Management in a Hybrid Workplace,” Ellen Buck
- Panel Discussion

*4:00 PM – 5:00 PM*

### **Virtual Ceremony**

Young Achiever Award (YAA) Recognition  
Sponsors & Volunteers Recognition

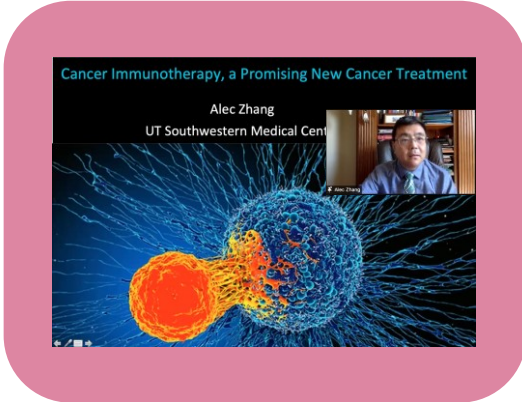
See Proceedings for  
more details



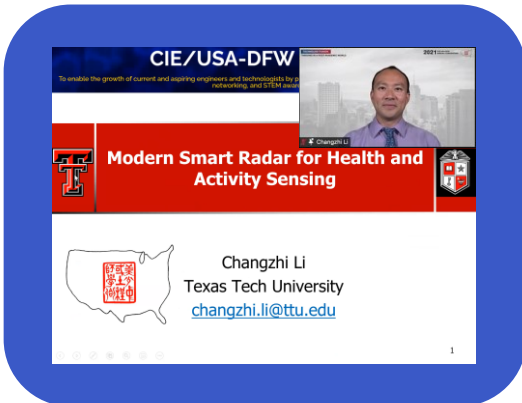
# 2021 Fall Symposium (Technical Seminar)

The Fall Technical Symposium Webinar is held on Saturday September 18, 2021. Amid the COVID-19 pandemic, the virtual event is organized with the 2021 CIE/USA-DFW Annual Convention. The Fall Technical Symposium features the theme “Technology Fusion – Thriving in a Post-Pandemic World” aiming to exchange ideas and insights in the world of fast and complex changes affected by not only the technology advances but also quickly-evolving complex problems. The global pandemic create new challenges but also opportunities.

On September 18, the technical seminar is coordinated by Professor J.-C. Chiao, Mary and Richard Templeton Centennial Chair of Electrical and Computer Engineering at Southern Methodist University. Three invited speakers share their current research and development works emphasizing the multidisciplinary trends and needs in solving practical problems, and career opportunities for the future.



Dr. Alec Zhang, Morton H. Sanger Professorship in Oncology and Michael L. Rosenberg Scholar for Biomedical Research at UT Southwestern presents a talk titled “Cancer Immunotherapy, a Promising New Cancer Treatment”. He shares the advances in cancer treatment, particularly novel cancer immunotherapies that serve as a new generation of cancer treatment. He introduces three types of immunotherapies: immune checkpoint blockade (represented by the PD-1 antibody therapy), CAR-T cells (currently for blood cancers), and personalized cancer vaccine (still in clinical trials) to highlight their tremendous potentials in the future. Dr. Zhang gives examples of ongoing promising research and discusses future perspectives.



Dr. Changzhi Li, Professor and Whitacre Chair in Electrical and Computer Engineering at Texas Tech University. His research interests focus on microwave/millimeter-wave sensing for healthcare, security, energy efficiency, and human-machine interface. He presents the applications of portable radar sensors with remotely sensing various life activities with electromagnetic signals. Dr. Li provides an overview of modern smart radar sensors based on advanced electrical and computer engineering technologies including semiconductor chips and machine learning algorithms with examples of non-contact human vital signs monitoring, wireless human-computer interface, continuous driving behavior recognition, indoor user localization, and activity classification. He gives insights on smart radar sensors in healthcare, automotive, IT industry, and for smart living sectors of daily life. Dr. Li’s talk concludes with future industrial and academic R&D outlooks and career potentials for future engineers.



Vice President of Network Systems & Automation, Mr. David Lu, at AT&T Labs who has been leading a global team of more than 2500 people responsible for the architecture, development and engineering of AT&T’s next generation Software Defined Network automation platform and open source. His talk focuses on the evolutionary paths of converged network technologies, wireless broadband, fiber broadband, Software Defined Network and 5G in the past decade. The journey planned into the next decade is discussed with visions to unleash the power of innovation with extraordinary speeds and scales in communication. He exemplifies technology advancements including the convergence of hardware and software, physical and virtual devices, open architecture aiming for ultrafast speeds with extremely low latency, high capacity, improved reliability and security. Artificial Intelligence (AI) enabled sensors in rapidly changing business landscape is also discussed. Mr. Lu brings insights about the unprecedented new application opportunities for entrepreneurship and engineers.

The virtual symposium speeches and lively discussion capture and hold audience’s attention. Due to the time limit, although speakers could not answer all the questions in the live sessions, they stay on-line to reply audience’s individual question in the Q&A text window. Audience also in real time provides appreciation and feedback to the speakers appraising to their speeches.



# Technical Executive Forum

The 2021 CIE-DFW Technical Executive Forum was again a virtual event due to COVID-19 pandemic. This year we invited 5 panelists with diverse background from different industries, including: Dr. Chi-Foon Chan, President & Co-CEO at Synopsys; Troy Graziani, Director of Credit and Customer Experience at Toyota Industries; Paul Nichols, Executive Director at the Institute for Innovation & Entrepreneurship at University of Texas at Dallas; Dr. Daniel Siegart, Associate Professor at UT Southwestern Medical Center & Co-Founder/Advisor at ReCode Therapeutics; and Steven Yahata, Vice President, Integrated Vehicle Systems at Boeing Research & Technology. Both Dr. Chan and Mr. Yahata are AAEOY awardees.

The audience was welcomed by the event chair Dr. Lun Tsuei (2021 CIE/USA-DFW Chairman of the Board) and the event host David Lu (Vice President of Network Systems and Automation at AT&T Labs).

Dr. Mary Cooley (COO of Dynofit) moderated the panel discussion. The forum started with the questions related to the "Work from Home" and how that has impacted the workplace. The discussion covered wide aspects of COVID-19: mRNA and vaccine development, collaborative research, corporate new product development targeted on health and safety needs, and the inspirations in innovation and startup investment.

The audience was able to participate in the Forum by submitting live chat questions that were answered by panelists live, and through the Q&A chat feature in real time. The discussions were inspiring and insightful, and the event was extended for about half an hour in order to accommodate the questions asked. Overall the Technical Executive Forum was well reviewed by attendees with a lot of positive feedback for next year's Forum!

(1<sup>st</sup> row, left to right) Forum Host David Lu, Panelists Dr. Chi-Foon Chan and Steven Yahata  
 (2<sup>nd</sup> row, left to right) Panelists Troy Graziani, Dr. Daniel Siegart, and Paul Nichols  
 (3<sup>rd</sup> row, left to right), CIE/USA-DFW President Dr. Tiger Zhou, Forum Moderator Dr. Mary Cooley, Forum Chair Dr. Lun Tsuei



# 2021 Fall Symposium (Leadership and Career Development Seminar)

On the afternoon of September 25, 2021, the third and last online technical sharing event of the CIE/USA-DFW's Annual Convention - the Leadership and Career Development Webinar - took place. This webinar, incorporating the Annual Convention's theme of Technology Fusion: Thriving in a Post Pandemic World, addressed the human and leadership elements that are needed for success in the post-pandemic workplace. This virtual event featured three highly accomplished and seasoned leaders from the technology sector: Ms. Gilma Saravia, Chief People Officer of Altair, Dr. Gurshaman Baweja, SVP and CIO, IT Services, Texas Instruments, and Ms. Ellen Buck, VP, Business and Operations Services, Oncor Electric Delivery.

Ms. Saravia's presentation brought to life the importance of company culture to successfully navigate challenges during the pandemic, and how enabling employees to take appropriate business risks and celebrating successes through effective communications across the organization will position individuals and organizations to greater heights as we move forward.

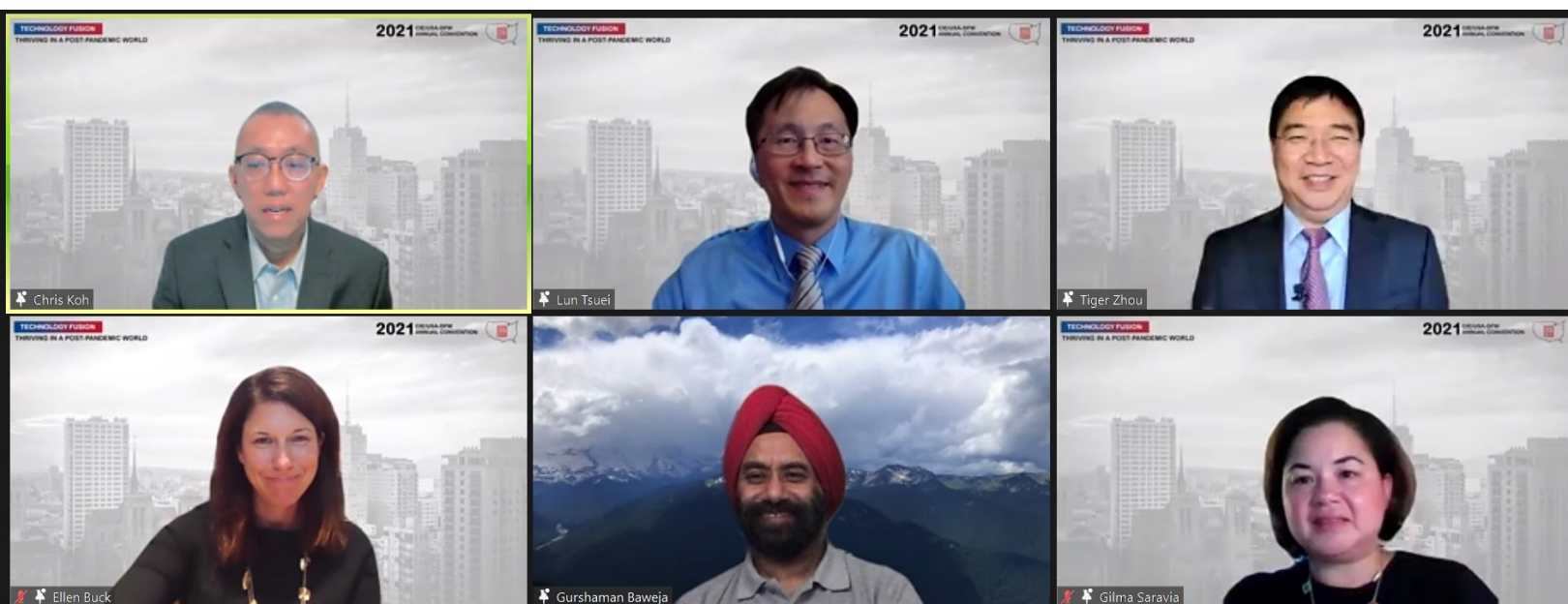
Dr. Baweja reflected on the journey and lessons learned from the pandemic so far, and shared personal experiences from coaching sport teams to successfully managing and inspiring colleagues at work. He commented on the resilience of the workforce, and how many have adopted the use of technology to remain productive. He also noted that while virtual collaboration was already in place for a global company such as TI, the current situation has further raised the effectiveness of working together virtually.

He concluded by reiterating that being ready to deal with changes, effective collaboration and constantly learning are the key ingredients to success.

Ms. Buck likened career development approach to that of tending a garden. She highlighted the importance of learning the culture and unspoken norms of a company, which is especially important in a hybrid work environment. She spoke of the importance of mentorship (both mentoring and being mentored) and the ability to adapt your communication styles when working in virtual and in-person situations. Lastly, she pointed out the need for strong time management to ensure a good work-life balance.

After the three speakers shared their unique and insightful perspectives on how best to shape and grow one's career in the 21st century, a panel discussion moderated by Dr. Chris Koh, CIE board member and PepsiCo Sr. Fellow, opened up the discussion between the panel and the audience. The audience took advantage of this portion of the webinar to ask specific questions, and allowed the speakers to provide more in-depth and nuanced comments to bring their points home. What made this discussion particularly impactful is not only the interaction with the audience, but that the speakers were able to build on each other's answers to give the audience a broader perspective.

At the conclusion of the panel discussion, CIE/USA-DFW's Chairman of the Board, Dr. Lun Tsuei and CIE/USA-DFW President, Dr. Tiger Zhou, presented each of the distinguished speakers with a plaque of appreciation.





# 2021 Young Achiever Award

On September 25th, CIE/USA-DFW recognized and celebrated 9 students with the prestigious Young Achiever Award. This award is to recognize high school students who have demonstrated exceptional achievement in academic performance, extracurricular activities, community service and leadership roles. In addition to a comprehensive application process, each awardee also underwent a live interview with a panel of industry professionals.

Alex Machoka, Senior Director, Transmission Operations at Oncor, Dr. Jinrong Qian, Vice President and General Manager at Texas Instruments, and David Lu, Vice President at AT&T, were on hand to present the awards to the recipients, sharing words of encouragement and inspiration.

This year's awardees spanned a diverse range of academic and extracurricular achievements as well as extensive community service and leadership roles, including:

### Academic & Extra Curricular Achievements:

- 1st Place World of Dance Hip Hop Competition
- Top 10 Finalist for Best Dancer of the Year at 2020 National Groove Dance Competition
- 1st Place Senior Solo at Showstopper Nationals
- 3rd Place Chinese Water Cube Singing Competition
- Gold Medalist and Soloist in Roger & Ella Jo Adams Concerto
- All State Musician Symphony Orchestra Chair
- All-State Violinist
- Clarinet player in the GDYO Wind Symphony and Philharmonic Full Orchestra
- 1st Division Rating in Texas State Solo-Ensemble Contest
- Inspire and Innovate Award Winner in FTC Robotics Team
- Motivate/Connect/Design Award Finalist in FTC Regional Championships
- 2021 FIRST Global Challenge Team USA Representative
- Organizer of Robotics Coding Camp for 100+ Underprivileged Students
- Captain of VEX Robotics Team with Multiple State Awards
- 2021 Scholastic Art & Writing National Gold & Silver Medalist
- 2nd Place in Vernel Gregg Young Artists Competition
- Short Film Accepted to 16 National/International Film Festivals
- State Swimmer and PWSH Team Relay Record-Holder
- Team Captain of PWSH Varsity Swim Team
- United States Tennis Association SuperChamp
- UIL Tennis State Title Champion 2020
- 1st Place at the UTD STEM Bridge Summer Program
- 2nd Place Texas Science & Engineering Fair
- 2021 Texas Junior Science and Humanities Symposium Winner

### Community Service & Leadership Achievements:

- Founder and President of the We Can Help (Students Teach in Community)
- Co-founder of 5C Leadership Foundation
- Multiple President's Volunteer Service Gold Award Recipients
- North Texas Food Bank Young Advocates Council

The 2021 Young Achiever Award Recipients are, Ivy Chen, Audrey He, Derek He, Kai Joshi, Aaron Liu, Zachary Tian, Joy Ting, Christine Yan, Ashley Zhang.

The YAA recipients were awarded with a trophy, a scholarship and lifetime CIE/USA-DFW membership.

Besides the YAA award ceremony, the YAA awardees were invited to an "after-party" with CIE/USA-DFW sponsors. Our business leaders shared their experiences. The YAA awardees were excited to ask questions and listen to their advices.

CIE, together with Oncor, TI, Diodes and AT&T congratulate our YAA winners for their exceptional academic performance, leadership and community service!

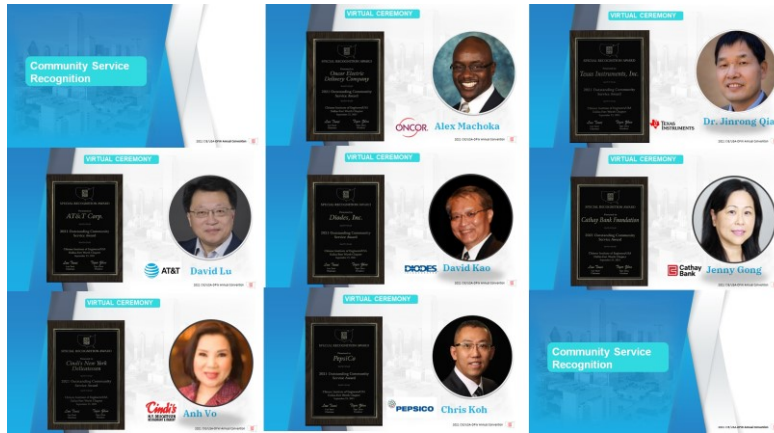


# 2021 Sponsors and Volunteers Recognition

On September 25th, CIE/USA-DFW hosted a virtual ceremony for Sponsors and Volunteers Recognition at the end of the annual convention. During the program, CIE presented outstanding community service awards to our valued sponsors. Alex Machoka, Senior Director, Transmission Operations at Oncor; Dr. Jinrong Qian, Vice President and General Manager at Texas Instruments; David Lu, Vice President at AT&T; David Kao, Business Manager at Diodes; Jenny Gong, Branch Manager at Cathay Bank; Anh Vo, CEO of Cindi's NY Deli and Chris Koh, Senior Fellow at PepsiCo accepted the awards.

In addition, the 2021 CIE Virtual Team Awards were presented as a thank you to 14 dedicated volunteers, who collaborated on the CIE programs virtually. These recipients are Jan Benmard, Hao Chen, Hua Chen, Yanping Chen, J. C. Chiao, Emma Cui, Jenny Hoch, Hong Jiang, Chris Koh, Molly Song, Yan Staley, Xincheng Tang, Bryan Taylor and Saniya Wu.

Thanks YAA chair-Jenny Hoch for organizing the YAA event! Thanks Tiger Zhou and Chris Koh for chairing the annual convention event! Thank you to all our sponsors and volunteers!



## OUTSTANDING COMMUNITY SERVICE AWARD

**Oncor Electric Delivery Company**

**Texas Instruments Incorporated**

**Diodes Incorporated**

**AT&T Corporation**

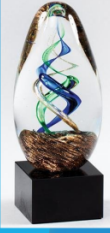
**Cathay Bank Foundation**

**Cindi's New York Delicatessen**

**PepsiCo**



### Volunteer Recognition



#### 2021 CIE VIRTUAL TEAM AWARD

- Jan Benmard
- Hao Chen
- Hua Chen
- Yanping Chen
- J. C. Chiao
- Emma Cui
- Jenny Hoch
- Hong Jiang
- Chris Koh
- Molly Song
- Yan Staley
- Xincheng Tang
- Bryan Taylor
- Saniya Wu

Thank you for your dedications and creativities to bring the CIE programs to a new level!  
2021 CIE/USA-DFW Annual Convention

Thank you to all our volunteers!

## Sponsors






















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