219 CIE Night (Feb 16, 2019)

On February 16th, 2019, CIE/USA-DFW Chapter celebrated Lunar New Year with our sponsors, members, and volunteers at its annual CIE Night. MCs were Minkai Wu and Marrisa Yang, and Event Chair was Jan Bennard.

CIE Night is an event to showcase our appreciation to CIE sponsors and members for investing on us and the community, and to recognize our volunteers for contributing their personal time and providing quality programs. It is part of the CIE annual networking platform to bring together people, communities, and programs. In addition, continuing a new tradition started in 2017, outstanding volunteer award was presented to Ms. Alice Yang for her sustaining contributions to CIE/USA-DFW Chapter.

Around 110 guests attended CIE Night. The event included CIE team introduction, performance by high school students, raffle prize drawing donated by sponsors, and fun interactive games. It was a relaxing and laughter-filled event.

Our sincere thanks to Cathay Bank, Capital One, and Altair for their donation of raffle prize. Also thanks to several individuals for their generous donation to support the event.
2019 SECC Competition (Mar 23, 2019)
CIE/USA-DFW successfully held its new STEM flagship program Student Engineering and Creativity Competition (SECC) on March 23rd, 2019 at the University of Texas at Dallas (UTD).

2019 SECC was co-hosted by Texas Instruments and UTD. It is a new platform designed by CIE/USA-DFW to support national-wide DiscoverE’s Engineers Week program to celebrate and raise the awareness: how engineers make a difference in our world, increase public dialogue about the need for engineers, and bring engineering to life for kids, educators, and parents.

Event Programs
2019 SECC featured Engineering Challenge (EC), Creativity Challenge (CC), and STEM Seminar for students of all grades. The goal is to inspire students to discover and develop their interest in STEM through hands-on projects, developed by sponsor companies, and creativity challenge to solve engineering problems. Over 150 people attended this event.

Engineering Challenge
In EC competition, students first did a live demonstration of their hands-on project using provided tool kits to build a system including various sensors, and then control the system via a program written on the calculator that monitors the sensor inputs and outputs. Students then used their poster to showcase their experiment, research, and results.

Creativity Challenge
In CC competition, students first made an oral presentation of their ideas and solutions to the provided engineering problems. After the oral presentation, students used their poster to showcase their research, ideas, and solutions.

Award Ceremony
The award presenters were Dr. Faa-Ching Wang, Chairman and President of ConsulPath Inc., and Ms. Laura Chambers, Director of Product Line Management in Texas Instruments. 2019 SECC was chaired by Dr. Min Chu and Mr. Simon Chang. Directors of Logistics were Dr. Tiger Zhou and Ms. Susan Yin. Director of EC competition was Dr. Yang Yang. Director of CC competition was Dr. Lun Tsuei. Thanks to volunteers, judges, corporate sponsors, and prize donors for their contribution to make this event a great success.

EC Honorable Mention Winners
2019 SECC Winners and Award Presenters
CC First Place Winner and Presenter Laura Chambers (TI)
CC Second Place Winner and Presenter Laura Chambers (TI)
EC First Place Winner and Presenters Faa-Ching Wang and Laura Chambers
EC Second Place Winners and Presenters Faa-Ching Wang and Laura Chambers
EC Third Place Winner and Presenters Faa-Ching Wang and Laura Chambers
Award Presenters, STEM Speaker, and CIE/USA-DFW Chapter’s officers

Proud Sponsors
Texas Instruments, OnCor, BNSF Railway, Altair, Huawei, Diodes, Inc., Dallas Governance
STEM Seminar (Mar 23, 2019)
Seminar "Unleashing Creativity through STEM Projects", part of the SECC programs, is designed for parents and students of all grades. STEM professionals are invited to share their experience, hot topics, or collaboration with local schools.

Mr. William Yang from PepsiCo R&D gave a talk on STEM in the Consumer Packaged Goods Industry. Mr. Yang used an example of a new potato chip product called Poppables, and the STEM and creativity behind it that made this product a huge success in the very first year.

Dr. Jey Veerasamy, Director of Center for Computer Science Education & Outreach at UTD, talked about exciting tools to learn coding. Dr. Veerasamy gave live demo on a tool which is interactive and requires little to no programing. The demo was fun and drew a lot of laughs from the audience.

Mr. Rod Wetterskog, Assistant Dean of Corporate Relations in School of Engineering at UTD, hosted an interactive Ideation Workshop with the audience. The workshop gave a tough challenge to each team comprising the ‘role’ of a designer, R&D scientist/engineer, manufacturing manager, marketer, and attorney. At the end of ideation stage, creating potential ideas for a solution to a new problem, each team presented a commercial on their product – product name, what problem does it solve, how does it work, who will buy it, and why will they pick it over other similar solutions. Participant learned a lot from this Ideation Workshop.

SECC Hands-on Workshop (Jan 19-20, 2019)
Over 80 students attended this free pre-competition hands-on workshop. As part of the 2019 SECC (Student Engineering and Creativity Competition), this workshop was designed for students of ALL grades who want to see the demonstration of an actual SECC competition project, or just to practice how a program written on a calculator controls attached hardware & sensors via a TI-Innovator hub. Students were encouraged to bring their own TI-Innovator Hub and TI calculator and practice at this workshop, or ask the instructor questions. Two sessions were available to give students flexibility.

Instructor was Mr. Fred Fotsch, a STEM expert. Mr. Fotsch has 28 years of teaching experience in STEM education and computer programming at public schools. Fred is the STEM Education Manager at Texas Instruments.

SECC Competition Prep Workshop (Feb 17, 2019)
The purpose of this workshop was tailored to tutor SECC contestants on building the Engineering Challenge (EC) project and to prepare for the SECC competition on March 23, 2019.

This was a tutoring workshop, not an instructor-led workshop, and was designed for SECC contestants. Focus was to give students opportunity to build the project from scratch, ask questions, and get help from the tutor. Students were required to bring their own TI-calculator, TI-Innovator Hub, and tool kits required for the registered competition topic.
Upcoming Events...

Young Achiever Award (YAA): Friday August 16, 2019

Application is now open! Visit http://cie-dfw.org/events/2019/YAA/

Math Comp / Math Fun (MCMF): Saturday June 1, 2019

Registration is now open! Visit http://cie-dfw.org/events/2019/MCMF/

30th Anniversary Convention: Fri & Sat August 16-17, 2019

18th Asian American Engineer of the Year Award (AAEYO) and Conference: Fri & Sat August 16-17, 2019
- Please visit us at http://www.aaeoy.org/

A tribute to the most distinguished Asian American Engineers. The AAEYO was created by CIE/USA-DFW Chapter in 2002 in celebration of the National Engineers Week. It is one of most prestigious annual gala in the CIE organization, and an important forum for Corporate America, Academia, and Government entities in promoting STEM (Science, Technology, Engineering and Mathematics).