

2013 Asian American Engineer of the Year Award

March 2, 2013 ♦ Hyatt Regency Dallas, Texas



National Engineers Week 2013
Chinese Institute of Engineers - USA
www.aaeoy.org ♦ www.cie-usa.org





Nam Bui
System Integration Analyst
Senior Staff
Enterprise Operations
Engineer of the Year



Shue-Jane Thompson, Ph.D.
Chief, IT Services Management
Information Systems
& Global Solutions
Executive of the Year



Jeffrey T. Tsao, Ph.D.
Distinguished Member in
Research & Development
Sandia National Laboratories
Engineer of the Year



James Wei
Systems Architect Senior Staff
Information Systems
& Global Solutions
Most Promising Engineer

LEADERS IN INNOVATION

Lockheed Martin's engineers and scientists are driven to deliver solutions to our customers' toughest problems.

We congratulate the four outstanding representatives of this community who are among those being named 2013 Asian American Engineer of the Year Award winners. The men and women of Lockheed Martin commend you for your achievements and thank you for your dedication to excellence and innovation.

100 YEARS OF
ACCELERATING
TOMORROW

LOCKHEED MARTIN 

2013 CIE-USA Chairman's Remarks

Thomas T.C. Wu

*Chair
CIE-USA National Council*



On behalf of the Chinese Institute of Engineers-USA (CIE-USA), it is my great honor to welcome all distinguished guests including our CIE-USA representatives from all Regional Chapters to Dallas, Texas. Here, we're celebrating the 2013 National E-Week as well as the 12th annual Asian American Engineer of the Year Award (AAEOY) event hosted by CIE-USA.

When AAEOY event was first held in Dallas on February 23, 2002, it was hailed as the "Oscar for Technology". This national award program is unique in character and becoming an important part of the National E-Week celebration. I would like to take this opportunity to thank Leslie Collins, Executive Director of the National E-Week Foundation (NEWF) organization, for helping us in establishing the very first 2002 AAEOY event initiated here in Dallas. Without that first giant step, we would not be able to experience such a wonderful AAEOY platform today in recognizing outstanding Asian American Engineers in so many professional fields. We're grateful to those sponsoring organizations for their continuous trust and great support.

CIE-USA joined the National E-Week Foundation eleven years ago and became a board member of the NEWF Steering Committee. CIE-USA is providing support for NEWF initiatives such as New Faces of Engineering, Science and Engineering Festival, and National Future City Competition programs. The "Best Residential Zone" national award, a special award of Future City program, was solely sponsored by CIE-USA and presented to the winner team – Southern Nevada Middle School in 2002.

I would like to congratulate tonight's awardees including two distinguished award recipients, Dr. Subra Suresh and Dr. Alfred Cho, for their outstanding achievements and extraordinary contributions to the society and our country. I also want to give my heartfelt thanks to all wonderful members of 2013 AAEOY planning committee for their dedication and hard work in making this award event a vast success.

Thank YOU my friends, let's celebrate together and enjoy this special evening.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Thomas T.C. Wu".

Thomas T.C. Wu

Chairman, CIE-USA National Council



AAEOY 2013 Chair's Remarks



Grace Tyler

Chair

2013 AAEOY Executive Committee

It is my great honor and pleasure as the Chair of the 2013 Asian American Engineer of the Year (AAEOY) Executive Committee to welcome all the distinguished guests, the awardees and sponsors to Dallas, Texas for the twelfth AAEOY Award ceremony.

The AAEOY program this year consisted of technical tours at Lockheed Martin and Texas Instruments Inc., a Dallas cultural tour, a technology symposium and an award banquet. There were two tracks in the technology seminar for "STEM and Education" and "Innovation and Leadership".

For the AAEOY award nomination, we have established a Nomination Advisory Board that consists of eleven professionals with substantial engineering, technology and science backgrounds and expertise. Nineteen awardees were selected and they will be recognized at tonight's banquet.

For the past eleventh years, a total of 227 Asian American Scientists and Engineers in many different domains, including academia, research fields, science, education, industry and government, have been recognized at the AAEOY Award program. This year, it is our great honor to present the Distinguished Lifetime Achievement Award to Dr. Subra Suresh, Director of National Science Foundation and the Distinguished Science and Technology Award to Dr. Alfred Y. Cho, Adjunct Vice President of Semiconductor Research at Alcatel-Lucent's Bell Labs and the "father of molecular beam epitaxy".

I would like to express my sincere appreciation to all of the sponsors, especially Boeing, Lockheed Martin, Northrop Grumman, IBM, Microsoft, NASA Glenn Research Center, Seattle Chinese Biomedical Association, Sandia National Laboratories, Texas Instruments and Verizon. These sponsors are not only leaders in their fields but also serve as great corporate citizens in giving back to the community.

2013 AAEOY is 100% organized by volunteers. I want to thank to all members of the 2013 AAEOY Executive Committee for their leadership, dedication and persistent hard work to make the 2013 AAEOY program a success.

Finally, I would like to congratulate the 2013 AAEOY Award recipients for their outstanding achievements. Asian American engineers and scientists have made great contributions to our country. Your exceptional achievements highlight these contributions and set exemplary models for the next generation. Let us enjoy this celebration of excellence!

Sincerely,

A handwritten signature in black ink, appearing to read "Grace Tyler".

Grace Tyler
Chair of the 2013 AAEOY Executive Committee

2013 AAEOY



Congratulation Letter

Barack Obama

*President
The United States of America*



THE WHITE HOUSE
WASHINGTON

February 11, 2013

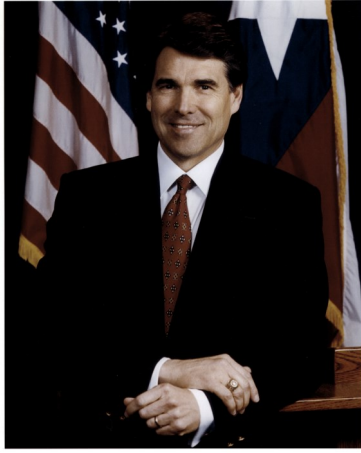
I send greetings to all those observing Engineers Week 2013.

If there is one idea that sets our country apart from every other nation, it is the idea that in America, success does not depend on where you were born or what your last name is. Success depends on the ideas you can dream up, the possibilities you can envision, and the hard work you are willing to do to make them real.

Initiatives like National Engineers Week help instill this belief in our next generation of doers and makers. By sparking young people's interest in science, technology, engineering, and mathematics, these efforts will keep the American spirit of curiosity and innovation alive for years to come.

As you celebrate the ways engineering improves our lives, I wish you all the best for an enjoyable week.





Congratulation Letter

Rick Perry

*Governor
The State of Texas*



Rick Perry



**STATE OF TEXAS
OFFICE OF THE GOVERNOR**

Greetings:

As Governor of Texas, I am pleased to welcome you to the 2013 Asian American Engineer of the Year Award event.

The ingenuity and culture of Asian-American engineers is evident throughout the Lone Star State, including the field of engineering. I commend the organizers, sponsors and others who have worked diligently to organize this event and congratulate the individuals being honored tonight for their accomplishments.

To those from out of town, welcome to Dallas! From historical sites to professional sports and world-class shopping, this great city has something for everyone to enjoy.

First Lady Anita Perry joins me in sending best wishes for an enjoyable event.

Sincerely,

Rick Perry

Rick Perry
Governor



Congratulation Letter

Dr. Steven Chu

Secretary
United States Department of Energy



The Secretary of Energy
Washington, DC 20585

March 2013

Greetings to friends at the 2013 Asian American Engineers of the Year Award!

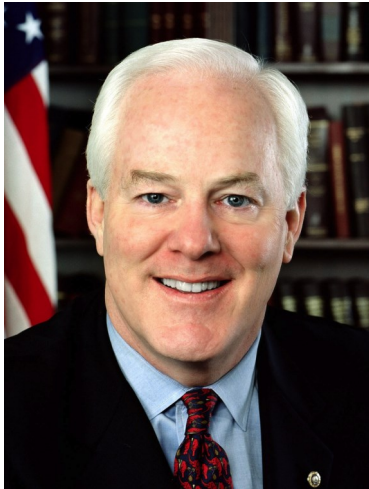
My congratulations to the Chinese Institute of Engineers-USA for another year of outstanding service and commitment to the fields of science, technology, engineering, and mathematics. Our Nation appreciates your significant contributions over the past twelve years and looks forward to your achievements in the areas of alternative energy sources and conservation.

While I will not be able to join you this year, please accept my best wishes for a successful and joyful celebration.

Sincerely,

A handwritten signature in black ink that reads "Steven Chu".

Steven Chu



Congratulation Letter

John Cornyn

Senator

The United States Senate

JOHN CORNYN
TEXAS



United States Senate
WASHINGTON, D.C. 20510

March 2, 2013

Asian American Engineers of the Year
2013 Award Event

Dear Friends:

Welcome to Dallas. It is my pleasure to send my greetings as you all gather for the 2013 Asian American Engineers of the Year Award Event.

Congratulations to all of the outstanding honorees. Your achievements in science, technology, engineering, and math have captured the attention and garnered the respect of your peers. I am delighted to join them in applauding your success.

I appreciate having the opportunity to represent Texas in the United States Senate, and I send my best wishes for a successful event.

Sincerely,

JOHN CORNYN
United States Senator

Congratulation Letter

John Carona

Senator
The State of Texas Senate



JOHN J. CARONA
STATE SENATOR

CHAIRMAN
BUSINESS AND COMMERCE

COMMITTEES:
CRIMINAL JUSTICE
EDUCATION
JURISPRUDENCE
SELECT COMMITTEE ON
REDISTRICTING

January 18, 2013

Mr. Jack Sun
Chair, Public Relations
Asian American Engineers of the Year

Dear Mr. Sun:

It is my pleasure to extend greetings and recognition on behalf of the Texas Senate to the *Asian American Engineers of the Year* event for 2013. In association with National Engineers Week, you are to be commended for promoting awareness of Science, Technology, Engineering and Mathematics (STEM) as well as cultural diversity in the STEM fields.

We are pleased to recognize this event as leaders and members of the Asian American community come together to celebrate this special occasion. Best wishes for a successful event and congratulations to your distinguished award honorees and recipients.

Sincerely,

A handwritten signature in black ink that reads "John Carona".

John Carona

JJC/ss

CAPITOL OFFICE: ROOM 4L-2 • P.O. BOX 12068 • AUSTIN, TEXAS 78711 • (512) 463-0116 • (800) 662-0334 • FAX (512) 463-3135
DISTRICT 16 OFFICES: 8080 N. CENTRAL EXPY., STE. 1440, LB44 • DALLAS, TEXAS 75206 • (214) 378-5751 • FAX (214) 378-5739
5401 N. CENTRAL EXPY., STE. 300 • DALLAS, TEXAS 75205 • (214) 521-3884 • FAX (214) 953-1886
HEARING IMPAIRED DIAL 711 FOR RELAY CALLS
E-MAIL: JOHN.CARONA@SENATE.STATE.TX.US



Congratulation Letter



Angie Button

Representative

The State of Texas House of Representatives

ANGIE CHEN BUTTON



The State of Texas
House of Representatives

CAPITOL OFFICE:
P.O. Box 2910
AUSTIN, TEXAS 78768-2910
512-463-0486
512-463-0793 (fax)

DISTRICT OFFICE:
1200 E. EXECUTIVE DR., STE. 130
RICHARDSON, TEXAS 75081
972-234-8980
972-470-0789 (fax)

March 2, 2013

2013 Asian American Engineers of the Year Award Ceremony
Hyatt Regency Hotel Dallas
300 Reunion Boulevard
Dallas, TX 75207

Dear Friends:

Welcome to the 2013 Asian American Engineers of the Year (AAEOY) Award Ceremony hosted by the DFW Chapter of the Chinese Institute of Engineers, USA (CIE-USA). I appreciate your attendance this evening to recognize these wonderful engineering professionals and congratulations to all those who have been nominated for an award.

Since first introduced in 2002, AAEOY has become a prestigious and important forum for corporate America, academia, and government entities in the fields of science, technology, engineering, and mathematics (STEM) to recognize outstanding Asian American professionals for their leadership, technical achievements and remarkable public services. The AAEOY Award event is a National Engineers Week Program to recognize the outstanding Asian-American professionals for their leadership, technical achievements and remarkable public services in the STEM fields.

I would like to welcome any guests from out of town to the Dallas-Fort Worth Metroplex. Please take advantage of the wonderful restaurants, shops and other recreation opportunities in Richardson, Garland, Rowlett, and Sachse in my district. Thank you for visiting North Texas.

It is an honor to serve in the Texas Legislature. Please feel free to contact me whenever I can be of assistance.

Sincerely,

Angie Chen Button
AB/cb



2013 AAEOY



Congratulation Letter

Michael Rawlings

*Mayor
The City of Dallas*



MICHAEL S. RAWLINGS

MAYOR



CITY OF DALLAS

March 2, 2013

Greetings,

On behalf of the City of Dallas, I extend my warmest welcome to the awardees and guests of the 2013 Asian American Engineer of the Year Award ceremony. I also offer my sincere congratulations to all the engineers, executives and professionals who are being honored during the National Engineers Week, 2013.

The AAEOY award is the culmination of year-long efforts by the volunteers and professionals in the National Engineers Week Foundation, and the Chinese Institute of Engineers, USA. The City of Dallas takes pride in hosting this prestigious event, because we highly value the professionals who contribute greatly to our local and national economy, through their talents in Science, Technology, Engineering and Mathematics.

We particularly take pride in hosting the AAEOY event because the City of Dallas actively embraces culture diversity in our society. We have made significant efforts in our partnership with the Asian communities, for the benefits of our economy and our residents. Hosting the AAEOY event should further strengthen our Asian connections in the global economy.

I hope you enjoy your time in Dallas, and look forward to continuing our efforts in affirming our commitment to culture diversity, and promoting the general awareness and respect to the heroes in the STEM fields.

Best regards,

Michael S. Rawlings
Mayor



2013 Award Program

- 4: 00 PM Reception for the VIP Guests
- 5: 00 PM Entrance of Guests
- 5: 20 PM Welcome by the Master of Ceremonies
Mr. Samuel Y. Liu
- 5: 30 PM Presentation of Colors
United States Navy
- 5: 35 PM National Anthem
Ms. Sanghee Park
- 5: 40 PM Remarks by the Executive Chair
Ms. Grace Tyler
- 5: 45 PM Remarks by the CIE-USA National Council
Mr. Thomas Wu
- 5: 50 PM Acknowledgment of Congratulatory Letters
- 5: 55 PM Dinner
*Dinner Entertainment by The String Theory Quartet,
Dallas Asian American Youth Orchestra
Mr. James Song, Music Conductor*
- 6: 40 PM Keynote Speech by The President and Chief
Executive Officer,
The Electric Reliability Council of Texas
Mr. H.B. "Trip" Doggett
- 7: 00 PM Presentation of Awards—Part I
- 7: 30 PM A Presentation by the 2013 AAEOY,
Innovation and Discovery
Ms. Claire Jung, Director
- 7: 40 PM Presentation of Awards—Part II
*The Distinguished Science and Technology Award
The Distinguished Lifetime Achievement Award*
- 8: 20 PM Performance by The Children's Chorus
Ms. Sanghee Park, Music Conductor
- 8: 40 PM Presentation of Awards—Part III
- 9: 20 PM Announcement of the 2014 AAEOY
Mr. Thomas Wu, CIE-USA National Council
- 9: 25 PM Closing Remarks
Ms. Grace Tyler, 2013 AAEOY Executive Chair
- 9: 30 PM End of the Program

AAEOY

2013



2013 AAEOY Awardees

Distinguished Lifetime Achievement Award **Dr. Subra Suresh**

Distinguished Science and Technology Award **Dr. Alfred Y. Cho**

The Boeing Company **Sun Min Jung**

Most Promising Engineer of the Year

Ronald Y. Morinishi

Engineer of the Year

Darrell Uchima

Executive of the Year

IBM Corporation **Dr. Jianying Hu**

Engineer of the Year

Lockheed Martin Corporation **Nam K. Bui**

Engineer of the Year

Dr. Shue-Jane L. Thompson

Executive of the Year

James Wei

Most Promising Engineer of the Year

Microsoft Corporation **Julia Liuson**

Executive of the Year

NASA Glenn Research Center **Wayne A. Wong**

Engineer of the Year

Northrop Grumman Corporation **Dr. Helena K. L. Chan**

Most Promising Engineer of the Year

Bradley Furukawa

Executive of the Year

Sandia National Laboratories **Dr. Jeffrey Y. Tsao**

Engineer of the Year

Seattle Chinese Biomedical Association **Dr. Dayong Gao**

Engineer of the Year

Texas Instruments Inc. **Dr. Kun-Shan Lin**

Executive of the Year

United States Navy **Dr. Thomas C. Fu**

Engineer of the Year

Rear Admiral Jonathan A. Yuen

Executive of the Year

Verizon **Praveen Atreya**

Engineer of the Year





Keynote Speaker

H. B. "Trip" Doggett

*President and Chief Executive Officer
Electric Reliability Council of Texas*

Mr. Doggett will address the importance of diversity in the workplace and the contribution made by Asian Americans in the fields of sciences and engineering. Mr. Doggett will also discuss ERCOT's role in the U.S. electricity market as an Independent System Operator (ISO) and the importance of ERCOT to continued Texas success and economic development. He will discuss the impending challenges facing ERCOT and Texas as the state grows exponentially and the corresponding need to ensure that residents and businesses have reliable electricity.

The Electric Reliability Council of Texas is a membership-based nonprofit corporation, governed by a board of directors and subject to oversight by the Public Utility Commission of Texas and the Texas Legislature. The ERCOT manages the flow of electric power to 23 million Texas customers - representing 85 percent of the state's electric load. As the independent system operator for the region, ERCOT schedules power on an electric grid that connects 40,500 miles of transmission lines and more than 550 generation units.

Mr. Doggett was named president and chief executive officer of the Electric Reliability Council of Texas in May 2010. He had served as interim president and chief operating officer, effective Nov. 2, 2009, and senior vice president and chief operating officer for ERCOT since June 2008, directing system operations, system planning, market operations and compliance.

Mr. Doggett has 29 years experience in the electric power industry, including seven years as an independent consultant in the ERCOT market. He chaired the Texas Nodal Transition Plan Task Force (TPTF) from 2005 to June 2008, and served as an independent facilitator for the Texas Nodal Team, an ERCOT stakeholder team that developed the ERCOT nodal protocols. Prior to leading the market engagement and readiness team, he was involved in the stakeholder development and implementation of the zonal protocols.

Before coming to ERCOT, Mr. Doggett worked 22 years with Duke Energy where he led projects in the area of transmission substation engineering and was part of the team that launched the California Independent System Operator.

Mr. Doggett is a Registered Professional Engineer and earned his bachelor's degree in electrical engineering from the University of North Carolina at Charlotte.

Distinguished Lifetime Achievement Award

Dr. Subra Suresh

*Director
The National Science Foundation*



Subra Suresh graduated from Indian Institute of Technology, Madras. He earned a master's degree from Iowa State University, then a Doctoral degree from MIT. After his postdoctoral research at UC Berkeley he joined Brown University where he was promoted to full professor in 1989. He joined MIT in 1993 as the R.P. Simmons Professor of Materials Science and Engineering. He served as the dean of the School of Engineering and the Vannevar Bush Professor of Engineering at MIT.

Dr. Suresh's research and discoveries of possible connections between cellular nano-mechanical processes and human disease states have shaped new fields in the fertile intersections of traditional disciplines. He has co-authored more than 240 journal articles, registered 21 patents, and written three widely used materials science books.

In September 2010, Dr. Suresh was nominated by President Obama, and unanimously approved by the Senate to be the director of the National Science Foundation (NSF), an independent federal agency with an annual budget of \$7 billion, with the mission of keeping the country at the forefront of innovations, empowering future generations of pioneers, and fostering economic growth.

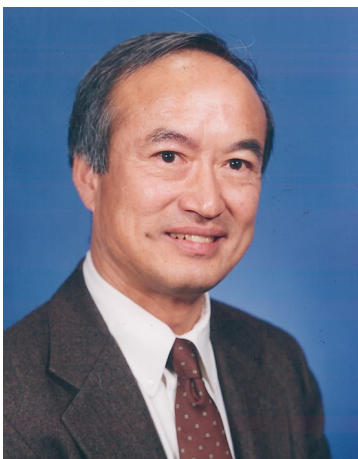
Dr. Suresh chaired a Global Summit on Scientific Merit Review in 2012, that included participants from nearly 50 countries. The summit endorsed a "Statement of Principles of Scientific Merit Review" and launched a virtual entity, the Global Research Council (GRC), to help coordinate practices that enhance international collaboration in science.

As a leader and visionary, Dr. Suresh has been elected to the U.S. National Academy of Sciences, National Academy of Engineering, American Academy of Arts and Sciences, Spanish Royal Academy of Sciences, Spanish Royal Academy of Engineering, German National Academy of Sciences, Royal Swedish Academy of Engineering Sciences, Academy of Sciences of the Developing World, Indian National Academy of Engineering, and Indian Academy of Sciences. He has been elected a fellow or honorary member of all the major materials research societies in the United States and India.

Dr. Suresh has been awarded seven honorary doctorate degrees from universities around the world. His many honors include the 2006 Acta Materialia Gold Medal, the 2007 European Materials Medal, the 2008 Eringen Medal of the Society of Engineering Science, the 2011 General President's Gold Medal from the Indian National Science Congress, the 2011 Padma Shri Award, one of the highest civilian honors from the Republic of India, the 2011 Nadai Medal and the 2012 Timoshenko Medal from the American Society of Mechanical Engineers, and the 2012 R.F. Mehl Award from the Minerals, Metals & Materials Society. Dr. Suresh was selected by Technology Review magazine as a top-ten researcher of the world and was named a 2013 Franklin Institute Laureate for his outstanding contributions from his research endeavors.

Dr. Suresh has been married to Mary (Delmar) since 1986. They have two daughters, Nina and Meera.





Distinguished Science and Technology Award

Dr. Alfred Y. Cho

*Semiconductor Research Vice President
Bell Labs
Alcatel Lucent*

Citation of Accomplishment

Father of Molecular Beam Epitaxy (MBE), which had profound impacts on the development of the semiconductor devices that appear in a vast array of mobile devices and consumer electronics, and had similarly far-reaching impacts on fundamental science.

Alfred Y. Cho was born in 1937 in Beijing, China, completed high school in Hong Kong, earned undergraduate, Master's in electrical engineering at the University of Illinois. In 1961, he joined Ion Physics Corporation where he studied charged micron-sized solid particles in intense electric fields. In 1962, he joined TRW Space Technology Laboratories and engaged in research in high current density ion beams. He returned to the University of Illinois in 1965 to pursue doctoral studies and, in 1968, joined Bell Laboratories as a Member of Technical Staff. He was promoted to Department Head in 1984, Director of the Materials Processing Research Lab in 1987, and Vice President of Semiconductor Research in 1990. Upon his retirement in 2002, he became Semiconductor Research Adjunct Vice President, Alcatel-Lucent's Bell Laboratories.

Dr. Cho is known as the "father of Molecular Beam Epitaxy (MBE)". He developed the technique in the 60's that since has revolutionized the opto-electronic industry. Semiconductor lasers in most of today's CD/DVD players, high speed electronics used in the multiple frequency band switches, and power amplifier circuits in mobile phones are manufactured using MBE material. The impact of MBE on fundamental science has been just as dramatic as its impact on semiconductor technology, bringing experimental quantum physics to the classroom and MBE systems to all major universities throughout the world.

Dr. Cho has published more than 600 journal articles and has 85 patents related to crystal growth and electronic and photonic devices. His many awards include Electronics Division Award of the Electrochemical Society, 1977; American Physical Society International Prize for New Materials, 1982; IEEE Morris N. Liebmann Award, 1982; GaAs Symposium Award-Ford, 1986; Heinrich Welker Medal-Siemens, 1986; Solid State Science and Technology Medal of the Electrochemical Society, 1987; College of Engineering Alumni Honor Award of the University of Illinois, 1988; World Materials Congress Award of ASM International, 1988; Gaede-Langmuir Award of the American Vacuum Society, 1988; Industrial Research Institute Achievement Award of the Industrial Research Institute, Inc., 1988; New Jersey Governor's Thomas Alva Edison Science Award, 1990; International Crystal Growth Award of the American Association for Crystal Growth, 1990; Asian American Corporate Achievement Award, 1992; AT&T Bell Labs Fellow Award, 1992.

Dr. Cho received the National Medal of Science, presented by President Clinton, 1993; won the 1994 IEEE Medal of Honor "For seminal contributions to the development of Molecular Beam Epitaxy", the 2005 U.S. National Medal of Technology, presented by President Bush, and the first International Nanotechnology Prize (RUSNANOPRIZE) Russia 2009. He was inducted into the United States National Inventors Hall of Fame in 2009 for his invention of the MBE. He is a Fellow of the IEEE, and the American Academy of Arts and Sciences, member of the Academia Sinica, U.S. National Academy of Engineering, and National Academy of Sciences.

Dr. Cho is married to Mona Willoughby and they have four children.

Most Promising Engineer of the Year

Sun Min Jung

*787 Design Engineer
The Boeing Company*



Citation of Accomplishment

A gifted mechanical engineer, Sun Min Jung is a respected team member and leader with sustained contributions to the design, integration and implementation of airplane secondary support structures for interior commodities installations, with exemplary mentorship of high-school and college students and humanitarian volunteerism in third-world countries.

Sun Min Jung was born in Seoul, South Korea. When he was five, his parents decided to move to Bolivia, South America to become missionaries. That trip was Sun's first flight - a Korean Air 747 - he was very excited to fly in it, and it started his love of airplanes. He has wanted to build airplanes ever since and spent many childhood hours folding paper airplanes and learning how to launch them.

While in Bolivia, Mr. Jung's family had hosted various U.S. humanitarian teams and he learned from them about educational opportunities in the United States and also that Boeing was the major company that built airplanes. He moved to the US to pursue mechanical engineering at Columbia University in New York City, where he earned his bachelor's degree, followed by a master's degree in engineering sciences from Harvard University.

During his college years, Mr. Jung continued with his family tradition of humanitarian activities, making several trips to Southeast Asia, South America and Africa. In parallel, he also pursued his childhood dream of building planes by starting with internship at Samsung and Boeing.

Today, Mr. Jung has fulfilled that dream of building real planes. He now is a design engineer at the Boeing Company in Seattle working on the 787-9 Secondary Support Structures group where he designs the support attachments for interior airplane installations that include closets, galleys, lavatories, and stow bins. In addition, Sun is creating an employee development program for his larger organization, the Interiors Responsibility Center, and assists Boeing with its engineering and summer intern recruiting efforts at Columbia.

Mr. Jung just completed duties as 40th Term Director of the Korean-American Scientists and Engineers Association and serves on the executive board for the Boeing Asian American Professionals Association.





Asian American Engineer of the Year



Ronald Y. Morinishi

*Senior Manager
Platform Subsystems Technology
The Boeing Company*

Citation of Accomplishment

Cofounder of On Demand Manufacturing – for rapid prototyping, and leadership in Integrated Energy Technology Program for future generation of weapons and fighter aircraft sensors.

Ron Morinishi is Senior Manager of the Platform Subsystems Technology group within Boeing Research & Technology and has a staff of 42 engineers and managers with budget authority of \$120 million in contracted and internally funded research programs. Ron's team is responsible for the development of next-generation subsystems for future military and commercial aircraft.

Mr. Morinishi also is the Program Manager for Phase I of the U.S. Air Force Integrated Vehicle Energy Technology (INVENT) Program. The INVENT team recently completed design of a new subsystem that will enable unprecedented levels of power and cooling for integration of future weapons and sensors into next generation fighter aircraft. His team also is developing new technologies in fuel cells, batteries, electric actuation, power electronics and terrestrial energy systems.

Prior to Boeing, Mr. Morinishi worked at Rocketdyne as a manager and Integrated Product Team lead on several hypersonic and rocket programs including the National Aerospace Plane, X-43B, Delta RS-68, RS-73 Upper Stage, and the Space Shuttle Main Engine. He has a strong background in thermal management, structures, and aircraft subsystems and holds two patents for work in these areas.

In 2002, Mr. Morinishi co-founded the Boeing subsidiary, On Demand Manufacturing, as part of the Chairman's Innovation Initiative. This company used the rapid prototyping process of Selective Laser Sintering and adapted it to manufacture certified production parts. He led the NAVAIR certification for incorporation of this technology into the F/A-18 Environmental Control System and within two years built a business with \$2 million in annual revenues.

Mr. Morinishi is an active member of the Boeing Asian American Pacific group, and is a long-time member of the Japanese American Citizens League in St Louis and now in Ventura County, CA.



Asian American Executive of the Year

Darrell Uchima

*Vice President and Senior Chief Engineer
Mission Systems, Payloads & Sensors
The Boeing Company*



Citation of Accomplishment

Gifted leader, teacher, and recognized authority in Mission Systems and Payloads.

Darrell Uchima received his inspiration to become an engineer very early, from his grandfather, Unsei Uchima, who was a talented musician and a self-taught engineer. From his grandfather and subsequent mentors, Darrell learned that he wanted to “make a difference” by helping individuals and organizations improve performance, and then together celebrate those results.

Mr. Uchima earned his bachelor’s degree in electrical engineering from the University of Hawaii in Honolulu. He joined the Boeing Company and rose through the ranks to become the Director of the Boeing Satellite Development Center, leading a 3,800-person engineering and manufacturing organization responsible for the integration and testing of all Boeing satellites.

With over 30 years of experience, Mr. Uchima, has established himself as a recognized authority in mission systems and payloads at The Boeing Company. He is the Vice President of Engineering for Mission Systems, Payload & Sensors, where his primary role is to identify technical issues and risks in mission systems across all programs, develop sound corrective action or mitigation plans, and then lead immediate resolution. On a more strategic front, he also helps identify and develop key technical skills and helps drive the competitive strategy for Mission Systems and Payloads across Boeing.

Mr. Uchima is a gifted natural leader and teacher, serving as an advocate and mentor for many engineers at Boeing. He also is a member of the Leadership Education for Asian Pacifics, Inc., and is a speaker and executive sponsor for the Boeing Asian American Professional Association in El Segundo, CA.

In his free time, Mr. Uchima enjoys golfing, snow skiing, cooking and home remodeling. Of particular note, and most rewarding to him, is the experience of coaching his daughter’s Pony League all-star softball team in 1995 and guiding them to a 4th-place finish in the national championship series.





Asian American Engineer of the Year

Dr. Jianying Hu

*Manager
Healthcare Analytics Research
IBM Corporation*

Citation of Accomplishment

Sustained contribution and leadership in the development of novel pattern recognition and machine learning methodologies for healthcare informatics, business analytics and multimedia document understanding, and exceptional service to the pattern recognition community.

Jianying Hu is a research staff member and manager of Healthcare Analytics Research at IBM T. J. Watson Research Center, NY. She received her doctorate in Computer Science from SUNY Stony Brook in 1993. Prior to joining IBM research in 2003 she was a researcher at Bell Labs, Murray Hill, NJ.

Dr. Hu has 20 years of research experience in pattern recognition, machine learning and data mining, with impact on wide ranging real world applications including medical informatics, healthcare analytics, business analytics, document analysis, and multimedia information retrieval. She is one of the pioneers in the area of web document analysis, and among the first to develop rigorous machine learning algorithms for analyzing web documents for information extraction and content repurposing. In the mid 2000's, she led a series of innovative research projects to develop novel statistical pattern recognition and machine learning techniques for business analytics in the areas of portfolio optimization, engagement profiling, and workforce analysis. More recently, she has been focusing on healthcare analytics, leading a team of researchers to develop advanced machine learning and data mining methodologies for deriving data-driven insights to facilitate "learning health systems" for improved outcome and lower cost.

Dr. Hu has published over 90 peer-reviewed scientific papers and holds 23 patents. She has served as associate editor for IEEE Transactions on Pattern Analysis and Machine Intelligence, and IEEE Transactions on Image Processing, and is currently on the editorial boards of the journals Pattern Recognition and International Journal on Document Analysis and Recognition. She has chaired numerous international conferences, and served in multiple technical committees in the International Association of Pattern Recognition and IEEE. She is a fellow of the International Association of Pattern Recognition and a senior member of IEEE.

Asian American Engineer of the Year

Nam K. Bui

*Mobility Services, IPT Lead
Enterprise Business Services
Lockheed Martin Corporation*



Citation of Accomplishment

Valuable leadership that enabled Lockheed Martin to become one of the first companies in the aerospace industry to have the capability that allowed employees to “Bring Your Own Device” to access securely corporate e-mail, calendar, and contacts from a personal iPhone or iPad.

Nam Bui is an IT program manager at Lockheed Martin with more than 20 years of experience, currently serving as the mobility services lead, responsible for coordinating end-to-end processes in development, testing, deployment and sustainment of mobile device services for the company’s workforce. He has led several projects to introduce new IT services to the company’s workforce of 120,000 employees, including the first internal instant messaging application, an internal virtual conferencing service, and a service that allowed secure virtual conferences with external partners. He also was responsible for leading major upgrades to the company’s email service and spam management tool.

In 2012, Mr. Bui led the implementation of the highly successful Employee Choice program, “Bring Your Own Device”, at Lockheed Martin, one of the first programs of its kind in the aerospace industry. He was instrumental in leading this effort, developing the business case and working directly with security professionals and company attorneys to establish the necessary infrastructure to protect company and customer data.

Mr. Bui has been very active in the Asian American community where he has helped lead and support his Buddhist Temple’s youth group and the Dragon Dance Team, a non-profit group that performed at local businesses, museums, and schools during Chinese New Year’s festivals. He was involved also in the establishment of two new Buddhist Temples in southern California (San Diego and Orange County).

Mr. Bui earned his bachelor’s degree in chemistry from Johns Hopkins University and a master’s degree in biochemistry from the University of Southern California.

He currently resides in Fountain Valley, California with his wife Noleen and their two children.





Asian American Executive of the Year

Dr. Shue-Jane L. Thompson

*Chief, itSM
IS&GS Chief Technology Office
Lockheed Martin Corporation*

Citation of Accomplishment

Recognized expert in ITIL and key driver in services strategies and technology implementation underpinned by critical business and technology skills.

Ms. Shue-Jane L. Thompson joined Lockheed Martin in April 2007, and currently is the Chief of itSM (Services Management (SM) through invisible technology (it)) for the Lockheed Martin Information Systems & Global Solutions (IS&GS) Chief Technology Office. Her roles focus on services strategies and technology implementation for the IS&GS programs. Prior to joining Lockheed Martin, she had accumulated over 12 years of commercial IT operations and consulting experience and 8 years with Northrop Grumman as their Army and Joint Account Executive, Technical Director, and P&L leader.

With more than two decades of professional experience, including leading and managing many large nation-wide and international businesses and IT programs, Dr. Thompson possesses the critical business and technology skills to deliver needed solutions to Federal Agencies, Department of Defense, commercial and global customers. She currently serves as the ISO US Delegate and the Chief Editor for the ISO 20000-11 project (mapping ISO 20K-1 to ITIL®). She also is a technical board member for the CA Virtualization and EMS.

Dr. Thompson received two Masters of Science degrees with honors, one in Atmospheric Science from National Taiwan University, and the other in Information Systems from Hawaii Pacific University. She also holds a doctorate in Management from University of Phoenix. Dr. Thompson is an honoree for the IEEE Distinguished Visitor Program for 2005-2010 and a PriSM® Distinguished Professional for the IT Service Management Forum (itSMF). She also received the 2009 Paul C. T. Liu Distinguished Alumni Award from Hawaii Pacific University and the 2004 eGov Most Innovative Knowledge Management Implementation Award. She holds several professional and technical certifications such as PMI PMP, ITIL Expert, HP OpenView, and BMC Patrol Developer.

Most Promising Engineer of the Year

James Wei

*Systems Architect
Lockheed Martin Corporation*



Citation of Accomplishment

Co-founder of immersive training program for Cyber Intelligence Analysts

James Wei has over 11 years of experience encompassing Information Technology, Systems Engineering, Software Engineering, and Program Management. He currently serves as a cloud computing architect for Lockheed Martin, in which he is responsible for creating value-add, cost-competitive architectural solutions for customers. He also leads talent management and collaboration efforts to promote the community of practice across the corporation for cloud computing.

Previously, Mr. Wei was the Program Manager for a number of cyber security and engineering projects. He co-founded an immersive training program for cyber intelligence analysts. This successful program has been expanded to government and commercial customers at home and abroad to counter cyber security threats.

Mr. Wei has served in leadership rotations as a member of Lockheed Martin's technical leadership program, under which he directed system architecture redesign for the U.S. Navy's Trident Submarine Navigation system, and corporate-wide technical workforce initiatives in career development programs and STEM education. He also has served in various embedded software engineering roles for platforms such as the Space Shuttle, Aegis combat system, JAASM Missile, F-16 and F-35 mission computers.

Mr. Wei actively volunteers in the community, promoting youth STEM development. He serves as the Curriculum Chair on Montgomery County Public Schools' Information Technology Cluster Advisory Board, and has been a fourth year mentor for local high school students in the FIRST robotics competition.

Mr. Wei has a bachelor's degree in computer engineering from Binghamton University of State University of New York and a master's degree in systems engineering from Cornell University.





Asian American Executive of the Year

Julia Liuson

*Corporate Vice President
Visual Studio
Microsoft Corporation*

Citation of Accomplishment

A visionary who, through her unique combination of technical expertise and ability to empower others to exceed their potential, leads teams to create innovative software that shapes both Microsoft and the technology industry.

Julia Liuson is a Corporate Vice President (CVP) in Microsoft's Server and Tools Business. She has held a variety of technical and leadership positions throughout her 20-year tenure at Microsoft. Her current role as CVP of Development has her leading a team of over 500 Microsoft developers across the entire Visual Studio product line which generates over \$1.4 billion in revenue annually and is used by millions of software developers all over the world.

Ms. Liuson's leadership both inside and outside of Microsoft is evident by the impact of the products and the technology she has created and implemented. Her core values of teamwork, accountability, learning and service to others have earned her the trust, respect and loyalty from those around her. She believes that her job as a business leader is to deliver new product offerings that transform business, as well as create a sustainable, capable and successful team and organization.

Ms. Liuson is committed to mentoring and giving back to her communities. In her words, "I also want to be a role model – for women; for senior women; for women in Development and in Engineering; and Chinese employees. There are very few senior women in the engineering profession. There are even fewer women in the Development discipline. I want to show that there is a path forward and we can be successful". Ms. Liuson was integral in the early development of a Seattle-based non-profit organization, China Tomorrow Education Foundation, which has raised over \$2 million for improving education in rural China by providing essential and safe teaching facilities and equipment.

Microsoft and the greater community benefit from the impact and influence of Ms. Liuson's passion for technology, education and service to others.



Asian American Engineer of the Year

Wayne A. Wong

*Senior Researcher
Thermal Energy Conversion Branch
NASA Glenn Research Center*



Citation of Accomplishment

Exceptional leadership and impact in the development of an advanced Stirling convertor that dramatically improves the efficiency of space radioisotope power systems and that will enable future NASA Science Missions.

Wayne A. Wong has established himself as NASA's technical expert for Advanced Stirling Convertors (ASC) paving the way for their use in a wide range of future space science missions. This technology has revolutionized the future of radioisotope power systems by increasing the thermal-to-electric efficiency by a factor of four compared to previous systems, significantly reducing the amount of the plutonium fuel source, a man-made substance that is in very limited supply.

Mr. Wong has demonstrated outstanding technical management skills in guiding the ASC development with Sunpower Incorporated, a small business technology supplier from Athens Ohio. Mr. Wong created a collaborative relationship with Sunpower that has paid tremendous dividends in validating the technology readiness for flight. As the NASA contract manager and NASA ASC Lead Engineer, he personally led Sunpower from a small research and technology company to a space hardware provider. He originated the concept and led the implementation of engineering "pathfinder" units with increasing levels of process-control and flight design fidelity applied over several hardware design iterations. As a result, the pathfinders have addressed many key technical issues reducing risk and saving cost. Mr. Wong has been recognized for his technical expertise, outstanding dedication, and many significant accomplishments as a recipient of the NASA Exceptional Achievement Medal, and multiple NASA Group Achievement Awards.

Mr. Wong has also made significant contributions to the community serving as committee chair and master of ceremony for the Cleveland Asian Festival, an annual event that has grown in three years to attract more than 42,000 attendees in 2012. He and his wife volunteer to promote the Asian community by hosting and organizing events such as the "Faces of Chinatown" history exhibit, and the Organization of Chinese Americans "Voter Registration and Education Project."





Most Promising Engineer of the Year

Dr. Helena K. L. Chan

Systems Engineer

Northrop Grumman Corporation

Citation of Accomplishment

Innovative leadership and engineering excellence, achieving contributions in networked communication systems supporting the US military from early project formulation to integration and test: software-defined radio, tactical networks, and wafer-level packaging.

Dr. Helena Chan is the Integration and Test lead of the U.S. Air Force Deployable Instrument Landing System (D-ILS) Program. She has been, and continues to be, an inspiration and a role model for her peers with her ability to deliver results in a variety of roles (Software Architect, Product Engineer, Systems Engineer).

Dr. Chan has been the Systems Engineering lead for Northrop Grumman Internal Research and Development for the U.S. Special Operations Command Software-Defined Multifunction Device, Business Development capture team technical lead, and product engineer in Aerospace Systems. She also was the technical lead for commercial and flight technology qualification of wafer-level packaging technology and responsible design engineer for wafer-scale assembly and high-electron mobility transistor microelectronic mask set designs.

In her professional pursuits, Dr. Chan is a graduate of the Northrop Grumman Future Technical Leaders Program in 2010 – a three-year professional development, mentoring and leadership program for visionary technologists. Her research on wafer-level bonding, resulted in an Invention Disclosure, “Bonding Material Containment”. Further, she authored twelve technical publications, and presented at Institute of Electrical and Electronics Engineers (IEEE) and American Vacuum Society (AVS) conferences.

Dr. Chan is a recipient of: Sandia National Laboratories’ Excellence in Engineering Fellowship for her research on micro-scale gas chromatography; Rackham Engineering University Fellowship; National Space Club’s Olin E. Teague Memorial Scholarship; University of Michigan Distinguished Leadership Award; and California Alumni Association Leadership Scholarship.

Dr. Chan is an active and committed member of the community, currently serving on the Chapter of St. Paul’s Episcopal Cathedral, San Diego. Her previous volunteer service includes Habitat for Humanity, Reading to Kids, the Episcopal Diocese of Los Angeles, Christ Episcopal Church, Redondo Beach, and the Inter-Cooperative Council, Ann Arbor.

A member of the IEEE since 1996, Dr. Chan served as the IEEE branch president at UC Berkeley 1997-1998. Since 1998, she has been a Carillonneur member of the Guild of Carillonneurs in North America. She received her B.Sc., Electrical Engineering and Computer Sciences from the University of California at Berkeley, M. Sc., and Ph.D. in Electrical Engineering from the University of Michigan, Ann Arbor.

Asian American Executive of the Year

Bradley Furukawa

*Vice President & Sr. Chief Technology Officer
Enterprise Shared Services
Northrop Grumman Corporation*



Citation of Accomplishment

Mr. Furukawa defines Northrop Grumman's strategic direction for enterprise shared services (ESS), the overall ESS architecture, and provides leadership in driving key strategic programs to success.

Brad Furukawa is vice president and chief technology officer for the Corporation's Enterprise Shared Services organization responsible for ESS strategy, enterprise architecture, and advanced strategic programs. He provides executive leadership to internal cloud architecture and strategy, network and mobility future state strategies. He also is the executive champion for the Green IT Initiative and chair of the Information Technology Review Board interfacing with key strategic suppliers and industry organizations.

In his 30-year career with Northrop Grumman, Mr. Furukawa has held a number of senior positions including VP and CIO for the Space Technology sector where he was responsible for setting strategic direction for cost-effective IT solutions. He also was group director over enterprise resource planning (ERP) and enterprise program management leading a national project management workforce leveraging best practices, processes and expertise from across the country.

Previously, Mr. Furukawa served as senior director over the software and systems engineering organization where he managed a national workforce of more than 1,100 software engineering professionals. He also directed the full life-cycle development through support of Northrop Grumman's engineering, manufacturing, business and logistics information systems.

Mr. Furukawa earned his bachelor's degree in mechanical engineering from Northern Illinois University, DeKalb. He holds multiple Six Sigma Greenbelt certificates. In 2011 he was honored as a National Association Asian American Professional NAAAP 100 recipient and as Cloud Visionary recipient. In 2007 he was honored as the Asian-American Engineer of the Year Award, and in 2008 he was named a Computerworld Premier 100 IT Leader. His high-performance supercluster project in 2008 was named among Computerworld magazine's 10 Best in Class.

Mr. Furukawa is the executive sponsor for Northrop Grumman's Asian American Professional Network and has served as a mentor to numerous Asian American professionals and recent graduates. He is also a member of the corporation's Diversity and Inclusion Leadership Council.





Asian American Engineer of the Year

Dr. Jeffrey Y. Tsao

*Distinguished Member of Technical Staff
Semiconductor and Optical Science Dept.
Sandia National Laboratories*

Citation of Accomplishment

Sustained contributions to compound semiconductor materials and device science, and exemplary contributions to solid-state lighting technology.

Jeff Tsao grew up in Los Angeles, CA. He graduated from Stanford University with AB in Mathematics and MS in Electrical Engineering, and from Harvard University with MS and PhD in Applied Physics.

Dr. Tsao's career has spanned three phases, each lasting about a decade. From 1981 to 1991, he was a research staff starting at MIT-Lincoln Laboratory and moving on to Sandia National Laboratories. During this period he focused on research publishing close to 100 journal articles and a research monograph entitled "Materials Fundamentals of Molecular Beam Epitaxy."

During the next decade from 1991 to 2001, he broadened his scope firstly as research manager at Sandia National Laboratories, and secondly, on entrepreneurial leave, as Vice-President of R&D at E2O Communications which is a U.S.-based pre-IPO fiber communications components company. During this phase of his career, he built world-class teams and programs on "smart" compound semiconductor epitaxy and devices for high-speed communications.

Dr. Tsao returned to Sandia National Laboratories in 2001 as research staff, where he currently is with a broader focus, working on white papers and reports with an aim to influence larger national and global research directions. He has helped the DOE Office of Science and Office of Energy Efficiency and Renewable Energy coordinate workshops and roadmaps in various areas of energy science and technology. He is an early pioneer in solid-state lighting, a technology poised to transform how the world consumes 20% of its electricity. Along the way, he has outlined new and counterintuitive ways of thinking about the energy economics of lighting. He continues his career at Sandia National Laboratories as a Distinguished Member of Technical Staff, and Chief Scientist of its Energy Frontier Research Center for Solid-State-Lighting Science.

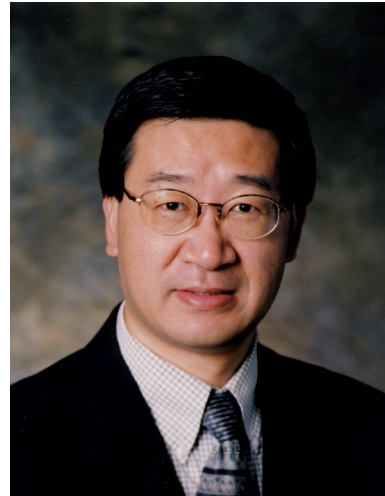
Dr. Tsao is married to Sylvia and they have two children.

Asian American Engineer of the Year

Dr. Dayong Gao

*Professor of Mechanical & Bioengineering
Department of Mechanical Engineering
University of Washington*

Nominated by Seattle Chinese Biomedical Association



Citation of Accomplishment

Original and distinguished contributions to cryobiology, bio-preservation engineering, and the science & technology of artificial organs.

Dr. Dayong Gao is professor of Mechanical Engineering and Adjunct professor of Bioengineering at the University of Washington (UW) in Seattle. Prior to joining UW, Dr. Gao was professor and Baxter Healthcare Corporation Chair of Mechanical Engineering and Biomedical Engineering at the University of Kentucky (1998-2004). He graduated with B.Sc. (1982) from the University of Science and Technology of China, and Ph.D. (1991) in Mechanical Engineering from Concordia University, Montreal, Canada.

Dr. Gao's research work has been focused on the frontiers of three areas: (1) fundamental and applied cryobiology: investigating mechanisms of cryoinjury and cryoprotection to living biological systems at low temperatures, developing optimal methods and technology for cryopreservation and banking of living cells and tissues for biomedical applications (e.g. gene therapy, cellular therapy, and transplantation) and conservation of endangered species; (2) artificial kidney and liver systems: treating the end-stage kidney and liver diseases; and (3) bio-instruments and bio-sensors for clinical diagnosis and treatment. Dr. Gao has published 175 full research papers in prestigious journals, and over 250 papers/abstracts in conference proceedings. He has obtained 16 patents, authored 2 scientific books and numerous chapters in 17 books. He received numerous awards and research grants from US government funding agencies, non-profit foundations, and scientific societies/associations, including NIH, DoD, NSF, US Department of Agriculture, American Cancer Society, American Heart Association, Bill and Melinda Gates Foundation, Whitaker Foundation, Washington Research Foundation, Kentucky Science and Engineering Foundation, Showalter Foundation, and industries.

Dr. Gao has played leadership roles in many scientific societies, associations and conferences worldwide. He currently serves as Editor-in-Chief, section editor, or editorial board member of 8 scientific-engineering journals. He has been a research adviser for many graduate students and postdoctoral researchers. Under Dr. Gao's guidance, 17 graduate students obtained Ph.D. degrees, and 13 graduate students obtained Master degrees.





Asian American Executive of the Year

Dr. Kun-Shan Lin

*Vice President
Texas Instruments, Inc.*

Citation of Accomplishment

A pioneer in Digital Signal Processing (DSP) applications, Dr. Kun-Shan Lin holds eight U.S. patents and has published over 50 articles and conference papers on this topic. But perhaps his greatest legacy is helping to establish TI's U.S. University Marketing Program in 1984, one of the first organized approaches for corporations to partner and collaborate with universities, and expanding the program into Asia.

Dr. Lin joined Texas Instruments (TI) in 1979 as the R&D manager for a speech product, Speak & Spell, in TI's Consumer Products Group. In 1984, he joined the Digital Signal Processing (DSP) start-up team in TI's Semiconductor Group as the DSP Applications and Marketing Manager. During the following 10 years, Dr. Lin and his team expanded DSP from a niche technology to a mainstream business, propelling TI to a leadership position in DSP.

In 1994, Dr. Lin moved to Asia to lead TI's digital businesses and also started TI's University Program in Asia. Upon returning to Texas in 1999, Dr. Lin was named TI Vice President and started up new businesses in the imaging and audio areas. His team developed integrated circuit solutions for consumer products such as digital still cameras, MP3 players and DVD players.

Since 2002, Dr. Lin devoted his efforts to growing TI's share of the emerging market in Greater China. In this role, he established a technical support infrastructure and design teams, as well as cultivated executive relationships with key customers. Under his leadership, his team contributed more than \$1B in annual business impact to TI.

Throughout his career, Dr. Lin never lost his zeal for his work. He continued to innovate exciting new products, collaborate with universities and represent TI as leader in the semiconductor industry up until his retirement from TI in February, 2013.

Dr. Lin is the recipient of many prestigious awards, including the National Asian American Corporate Achievement Award from the Organization of Chinese Americans, the Outstanding Management Award from the Chinese Association for Science and Technology and the Distinguished Engineering Alumni Award from the University of New Mexico.

He taught DSP at the University of New Mexico and Tennessee State University in late 1970s and serves as an industrial advisor and visiting professor at Zhe-Jiang University and Shenzhen University in China.

Asian American Engineer of the Year

Dr. Thomas C. Fu

*Deputy Head
Naval Architecture & Engineering
Naval Surface Warfare Center Carderock
United States Navy*



Citation of Accomplishment

Sustained leadership and contributions in the field of hydrodynamics and exceptional service to the naval hydrodynamics community.

Dr. Thomas C. Fu began his career twenty-five years ago at the Naval Surface Warfare Center, Carderock Division and advanced to his current position as the Deputy Head of the Naval Architecture & Engineering Department, where he provides operational management of 675 scientist and engineers. The department serves as the Navy's core technical capability for surface and undersea vehicle hull forms and propulsors. Thomas also serves as the Director of Science & Technology overseeing the department's research activities, leading the university outreach effort, and serving on the Science & Technology Council. In addition, he continues to perform innovative research and directs a research consortium on ocean and naval hydrodynamics.

Dr. Fu graduated from Purdue University with a B.S. in Ocean Engineering; earned his M.S. in Physical Oceanography at the Scripps Institution of Oceanography, U.C.S.D., under a NOAA Sea Grant Pre-doctoral Traineeship and E. C. Anthony Graduate Fellowship; and earned his Ph.D. in Mechanical Engineering from Johns Hopkins University. In 1998, he was part of the Virginia Class Submarine team that won the David Packard Excellence in Acquisition.

Dr. Fu is an internationally recognized expert on hydrodynamics and has over 120 publications. He has served as a reviewer/organizer for a number of conferences; and served as the Secretary of the 25th International Towing Tank Conference (ITTC) Specialist Committee on Wake-Fields, chaired the 26th ITTC Specialist Committee on Scaling of Wakes, and is currently a member of the 27th ITTC Resistance Committee and 19th International Ship and Offshore Structures Congress Environment Committee.

Dr. Fu also teaches at the Department of Mechanical Engineering, University of Maryland, College Park; is a courtesy faculty member in the School of Civil and Construction Engineering, Oregon State University; and is an Associate Editor of the ASME Journal of Offshore Mechanics and Arctic Engineering.





Asian American Executive of the Year

Rear Admiral Jonathan A. Yuen

*Commander
NAVSUP Global Logistics Support
United States Navy*

Citation of Accomplishment

For sustained leadership and strategic vision in the execution of the U.S. Navy's complex world-wide logistics network. Rendering all facets of logistics support to the global operating forces and shore installations of the United States Navy.

Rear Admiral Yuen currently serves as commander, NAVSUP Global Logistics Support group comprised of more than 5,700 military and civilian logistics professionals operating from around the world. NAVSUP GLS provides integrated global logistics and contracting services across all US warfare enterprises, and base supply functions at 70 shore entities.

RDML Yuen graduated with distinction from the U.S. Naval Academy in 1983. He then attended the U.S. Military Academy at West Point as an exchange student where he was selected as an Olmstead Scholar. He has an MBA from The Wharton School of Business, and is a graduate of the Stanford Graduate School of Business and the University of Virginia, Darden School of Business Executive Education Programs. Additionally, he completed the University of North Carolina's Kenan-Flagler Business School, Navy Executive Business Course.

RDML Yuen has been on numerous sea duty assignments including USS Narwhal, USS Constellation; and in the USS Nassau (LHA 4) while being deployed for 277 days in support of Operations Enduring Freedom and Iraqi Freedom off the coast of Djibouti and in the Persian Gulf. His shore assignments have included many roles of increasing scope and responsibility, to his more recent assignment as the deputy chief of staff for Logistics, Fleet Supply and Ordnance, U.S. Pacific Fleet.

RDML Yuen's joint assignments began as deputy commander/chief of staff of the Joint Contracting Command - Iraq/Afghanistan with 18 regional offices. He also completed a Navy Individual Augmentee assignment as the Director, CENTCOM Deployment and Distribution Operations Center (CDDOC), Camp Arifjan, Kuwait.

RDML Yuen has earned supply warfare qualifications in submarine, aviation and surface warfare. His personal awards include three Legions of Merit, a Bronze Star, two Defense Meritorious Service Medals, two Meritorious Service Medals, three Navy and Marine Corps Commendation Medals, and two Navy and Marine Corps Achievement Medals, among unit and campaign commendations.

Asian American Engineer of the Year

Praveen Atreya

*Director, Technology
Product Development and Innovations
Verizon*



Citation of Accomplishment

Pioneering contribution to the establishment of the Verizon Innovation Program as a platform for the accelerated development and launch of visionary non-traditional wireless solutions across multiple industry verticals.

Praveen Atreya is the Director of the Verizon Innovation Program that drives 4G wireless ecosystem development and enables the ideation and development of disruptive, non-traditional connected products and solutions in retail, energy, healthcare and other key industry segments.

Mr. Atreya has been central in the ground-up introduction of the Innovation Centers in Waltham and San Francisco, where Verizon collaborates with a diverse ecosystem of partners to bring meaningful innovation to the consumer and business marketplace. Over the last three years, he has developed and introduced over twenty successful wireless solutions into the marketplace that address human and business efficiency, automation, virtual presence, security and infotainment. His team currently is working on several innovations that will empower transformational solutions in energy and healthcare. In addition, he also has been able to build a diverse and mature wireless product ecosystem by providing a robust innovation-acceleration platform that provides valuable R&D services in the Innovation labs including incubation and rapid prototyping, product development and optimization, and turnkey solution enablement to over a hundred technology partners - large and small, mature and start-up.

Praveen Atreya has over eleven years of experience in the Wireless industry. He has led several Verizon technology initiatives including introduction of new industry-leading cellular networks (3G and 4G). He also was instrumental in the launch of key data services that were the harbinger to several of email and video applications in the marketplace today. He also has served in Wireless Network Operations and Operations-support roles aimed at optimizing the performance, availability and reach of our regional and national wireless data networks.

Praveen Atreya is actively engaged in multiple public-speaking and STEM-mentoring engagements in his community. He enjoys local volunteering; and loves to travel to little-known parts of the world with his wife.

Praveen Atreya holds a Masters degree in Electrical Engineering from the Pennsylvania State University and a Bachelors degree in Electronics and Telecommunication from the University of Mumbai.



2013 Technical Symposium

Discovery, Innovation & Education

March 2, 2013, 1 – 5 pm
Reunion A, Cumberland J, K, L

12:30 – 1:00 PM Symposium Registration, Sponsor Exhibition, Networking

Keynote Session

Room: Reunion A, Moderator: Prof. SiQing Zheng

- 1:00 – 1:05 PM Symposium Opening
Prof. Si-Qing Zheng, Symposium Chair
- 1:05 – 1:50 PM Keynote Speech: *“Innovation and Inspirational Leadership”*
Darrell Uchima, VP & Sr. Chief Engineer, Boeing Defense, Space & Security

Parallel Track 1 – Innovation & Leadership

Room: Cumberland J, Moderator: Jingjing Ye

- 2:00 – 2:50 PM *“My Experience in Innovation and Leadership”*
Dr. Alfred Y. Cho, Research Adjunct VP, Bell Laboratories of Alcatel-Lucent
- 2:50 – 3:40 PM *“30 Years of TI's DSP: Where, How, What?”*
Gene Frantz, Professor in the Practice, Rice University; Principal Fellow, TI

Parallel Track 2 – STEM & Education

Room: Cumberland K, Moderator: Yanli Fan

- 2:00 – 2:50 PM *“An Option for Accelerated STEM Education”*
Dr. Richard J. Sinclair, Dean of Texas Academy of Mathematics and Science
- 2:50 – 3:40 PM *“College Study and Career Planning”*
Bobby Chang, Assistant Dean and Director of GLEMBA, UT Dallas

Alumni Association Reunion

Room: Cumberland L, Moderator: Dr. Sam Chen

- 4:00 – 5:00 PM *Alumni Associations Networking*
Co-organized with Tsinghua & UESTC Alumni Associations at DFW

AAEOY

2013





Darrell Uchima
VP & Sr. Chief
Engineer Boeing
Defense, Space &
Security

Darrell Uchima has 30 years of engineering and leadership experience, and is a recognized authority in mission systems and payloads at The Boeing Company. Darrell's current primary role is to identify technical issues and risks in mission systems across all programs, develop sound corrective action or mitigation plans, and then lead Boeing experts to immediately resolve issues and risks. He also helps identify and develop key technical skills and helps drive the competitive strategy for Mission Systems and Payloads across Boeing. In 1982, Darrell earned his Bachelor of Science degree in Electrical Engineering from the University of Hawaii in Honolulu. He also has completed executive management classes at the University of California, Los Angeles, from the Creative Leadership Program.

Abstract: Innovation and technical excellence continues to be the foundation for the 100 years of success at Boeing (2016). How do we inspire, lead and develop our engineering workforce in our challenging business environment?



Dr. Alfred Y. Cho
Research Adjunct VP,
Bell Laboratories

Dr. Alfred Y. Cho received his undergraduate, master and doctoral degrees in electrical engineering from the University of Illinois. He joined Bell Laboratories in 1968 as a Member of Technical Staff and was promoted to Department Head in 1984. He was named Director of the Materials Processing Research Laboratory in 1987 and Semiconductor Research Vice President in 1990. He retired in 2002 and became Semiconductor Research Adjunct Vice President, Bell Laboratories of Alcatel-Lucent. His pioneering work on molecular beam epitaxy (MBE) has had a significant impact on the semiconductor industry, leading to the making of faster and more efficient electronic and opto-electronic semiconductor devices. The impact of MBE on fundamental science has been at least as dramatic as its impact on semiconductor technology such as the discoveries of the Fractional Quantum Hall Effect and the Giant Magnetoresistance.

Abstract: In this talk, Dr. Cho will share his experience in innovation and leadership throughout his successful career.



Gene Frantz
Professor in the
Practice, Rice
University; Principal
Fellow, TI

As TI's Principal Fellow, **Gene Frantz** embodied TI's innovative spirit. Oftentimes referred to as a "serial innovator," Gene has a serious appetite for modernization. Even after nearly four decades at TI, and now as a Professor in the Practice at Rice University, Gene continuously emits the energy of a true innovator. During his time at TI, Gene was responsible for the development of products such as the Speak and Spell™ learning tool and other speech related products. Forty-five patents in memories, speech, consumer products and digital signal processing are just among some of his accomplishments.

Abstract: The industry has experienced three decades of innovation as a result of the theory and product known as DSP. Last year TI celebrated the 30th anniversary of the first programmable DSP called the TMS32010. This year we celebrate the 35th anniversary of the introduction of the Speak & Spell? Learning Aid. What can best describe these last three or four decades is the word? innovation?. This talk will look back at a bit of that history and then look forward to where it goes next. The talk will end with my definition of innovation.



Dr. Richard J. Sinclair
Dean of TAMS

Dr. Richard Sinclair is the Dean of TAMS and an Associate Professor in the Department of Biological Sciences at the University of North Texas. He attended Oklahoma City University, receiving his bachelor's degree in Biology in 1967. After service in the United States Marine Corps, he was awarded a National Institutes of Health Predoctoral Fellowship and completed his Ph.D. in Medical Physiology and Biophysics at the University of Oklahoma Health Sciences Center in 1973. His research interests include the toxic effects of anesthetic agents on the kidney and intrinsic control of the kidney's microcirculation.

Abstract: The TAMS at UNT is one of a small number of college-based programs that allow students to complete concurrently the last two years of high school and the first two years of college. The academy's goal is to create "young scientists and engineers" by a focus on rigorous STEM courses and participation in state-of-the-art research.



Bobby Chang
Assistant Dean and
Director of GLEMB,
UT Dallas

Bobby Chang is a program director at UTD School of Management. His three children graduated from MIT, Harvard, Yale Universities respectively. Prior to joining UTD, he held multiple high level positions in large companies such as Huawei, Foxconn, SMIC, Chorum Technologies, and technical positions at Ericsson, AT&T and United Technologies Corp. He received the 1989 Marcus Wallenberg Award from Sweden, the Most Innovative Awards from Ericsson, the Best Outstanding Service Awards from CIE and IEEE, and the most outstanding alumni award from THU. He holds multiple graduate degrees in management, business, and engineering from USC, SMU, and UTD.

Abstract: It is very critical to pick up the right major and university for your children's future. During this presentation, I will cover in general about college study, how the top universities choose their students, manage your career and how to build a lifetime learning habit to help you success in the long-term future. In the end, I will also cover the key success factors to reach your study and career goals.



2013 AAEOY Sponsors List

Diamond Sponsors The Boeing Company
Lockheed Martin Aeronautics Company

Platinum Sponsor Northrop Grumman Corporation

Gold Sponsor IBM Corporation

Silver Sponsors Microsoft Corporation
NASA Glenn Research Center
Sandia National Laboratories
Seattle Chinese Biomedical Association
Texas Instruments, Inc.
Verizon

Special Recognition

Technology Tours Lockheed Martin Aeronautics Company
Texas Instruments, Inc.

Pre-Award Dinner The Boeing Company

Technical Symposium The Boeing Company

VIP Reception Northrop Grumman Corporation
Shore Chan Bragalone Depumpo LLC

Banquet Color Guard United States Navy



2013 AAEOY Supporting Partners

Andrews Kurth LLP
Anssler Corporation
Capital One Financial Corporation
Carpenter, Mark
Choi, Lisa
Cindi's New York Delicatessen Restaurant and Bakery
Dallas Asian Youth Orchestra
Deloitte Consulting LLP
HuaYi Education
Intelligent Epitaxy Technology, Inc.
Lam, Po & Xu, CPA's
Oncor Electric Delivery Company LLC
Park, Sanghee
Shore Chan Bragalone Depumpo LLC (SCBD)
University of Texas at Arlington, College of Engineering
University of Texas at Arlington Research Institute (UTARI)
University of Texas at Austin, McCombs School of Business
University of Texas at Dallas, Erik Jonsson School of Engineering



Seattle Chinese Biomedical Association

Promote interactions among biomedical researchers

Deliver updated information of science and technology

Provide greater opportunities for educational exchange

Build friendships and collaborations in the community

<http://www.scbahome.org>
email: office@scbahome.org





About CIE-USA

Chinese Institute of Engineers–USA (CIE-USA) is a non-profit professional organization founded in 1917 in New York. The objectives of CIE-USA are to promote Science, Engineering, Technology and Mathematics (STEM) in all communities across United States and provide recognitions to the APA professionals at the national level. To Coordinate the professional activities and organizations in the major metropolitan regions of the US, the National Council of CIE-USA was established in November 1986. Today, The CIE-USA National Council consists of seven(7) regional chapters and they are Dallas-Fort Worth (CIE-DFW), Great New-York (CIE-GNY), New Mexico (CIE-NM), Oversea Chinese Environmental Engineers and Scientists Association (CIE-OCEESA), San Francisco Bay Area (CIE-SFB), Seattle (CIE-SEA), and Southern California (CIE-SoCAL). More information about CIE-USA can be found at <http://www.cie-usa.org> website.

2013 CIE-USA National Council

National Council Officers:

Chairman: Thomas Wu

Vice-Chair: John Xie

Exec Secretary: Julius Chiang

Treasurer: Tien-Jen Cheng

National Council Advisors:

Y.C. Yang , Wen Lin, Thomas Wu, John C.P. Huang,
Yung Sung Cheng, James Lee, David Fong

National Council Representatives:

DFW Chapter: Sammy Yang, Qing Zhao, J. C. Chiao, Julius Chiang, Grace Tyler, Thomas Wu

GNY Chapter: Allen C. Chen, Jun-Min Liu, Tien-Jen Cheng, Rong Chang, Howard Chen, Yew-Huey Liu

NM Chapter: Lin Ye, Yung Sung Cheng, Beiling Liu OCEESA: Jeff Kuo, David Shaw, Kaimin Shih

SFB Chapter: Su-Syin Chou, Barry Lin, Larry Wang, John Xie, David Fong, Richard Yau

SEA Chapter: James Lee, Jiin Chen, Gina Li, Yong Zhou, Angela Huang, Kai Wang

SoCAL Chapter: Tony Torng, Gordon Wei, Scarlett Kwong

2013 AAEOY Executive Committee

Committee Chair Grace Tyler

Advisory Council Julius Chiang

Yung Sung Cheng

Thomas Wu

Nominations Chair Jason Yeh

Sponsorship Chair Dr. J-C. Chiao

Sponsorship Co-Chair Dr. Lun Tsuei

Convention Treasurer Yvonne Wong

Public Relations Jack Sun

Award Banquet Chair Nik Ressler

VIP Reception Chair Charles Chow

Tech Symposium Chair Dr. Siqing Zheng

Pre-Award Banquet Chair Yvonne Wong

Hotel Logistics Chair Jyotsna Pai

Hospitality Chair Sue Kwan

2013 AAEOY Program Volunteers

Mu-yeh Bau	Min Lai	Yu Meng	Yao Xiao
Ruddie Chau	June Yee Ling Lam	Iris Mou	Ying Xiao
Fiona Chen	Chenran Lei	Jack Nisula	Baile Xie
Sam Chen	Frances Leung	Dinesh Pai	Shuyi Yan
PeiHsuan Chen	Chi Ming Li	Sanghee Park	Tommy Yan
Ruby (Ying-Ju) Chen	Rui Li	Eric Peng	Tina Yan
Xinfen Chen	Vicky Li	John(Jinrong) Qian	Sammy Yang
Lisa KongJu Choi	Qiao Lian	James Song	Jingjing Ye
Lingling Chou	Andy Lin	Chinpei Tang	Jasmine Yin
Xunshan Ding	Chloe Lin	Sue Tsai	Susan Yin
Yanli Fan	Din Lin	Phuong-Lan Tran	Jessie Yuan
Jocelyn (Jincao) Fu	Helen Liu	Dexter Wang	Qing Zhao
Archie Hu	Samuel Y. Liu	Faa-ching Wang	Shoshana Zhang
Pengda Huang	Tengran Liu	Paul Wang	Tim (Yue) Zhao
Hailong Jin	Vivian Liu	Tian Wang	
Claire Jung	Yishan Liu	Huang-Chun Wen	
David Kao	Jacqueline Luo	Guoying Wu	



AAEOY Albuquerque, March 3, 2012



CIE-USA National Council Chair Yung Sung Cheng recognizes AAEOY Sponsor, Texas Instruments.



Group picture of 2012 awardee

2013 AAEOY



AAEOY2013 Future City Competition



Future City Competition

E-Week – National Future City Competition

CIE-USA is a Proud Sponsor for

“The Best Residential Zone Award” since 2002

and Congratulates ALL 2013 National Finalists and Winner Teams

The National E-Week Future City Competition is the only engineering program of its kind for 7th and 8th graders and their teachers. Future City students design and build creative, hands-on solutions to real-world issues in urban, rural and suburban communities. Students and educators team with engineer-mentors to create computer and 3D models. They are able to complete in regional and national contests.



2012 future city "The best Residential Zone Award"



2013 National E-Week New Faces of Engineering

Dr. Qing Li

Nominated by CIE-USA Seattle Chapter

*Sr. Search Research Analyst
Microsoft Corporation*



Dr. Qing Li's research focused on optimization in multi-criteria decision environment. She worked on a project to improve the efficiency of the catheterization laboratories at a major local healthcare in Arizona. She constructed a simulation-based framework and provided decision support. The healthcare realized a 21% increase in utilization and a 41% decrease in overtime. Her dissertation topic is multi-objective operating room scheduling, in which she uses operations management techniques, including simulation, data mining, mathematical programming, and genetic algorithm to improve the planning and scheduling in operating rooms.

After earning her Ph.D., Dr. Li decided to take on the challenges and apply her engineering knowledge and skills to the evolving, fast-growing internet online business. During the past two years working as a Senior Research Analyst at Microsoft, Dr. Li came up with numerous data-driven insights through simulation, machine learning and optimization to facilitate Microsoft's effort to merge Bing and Yahoo! advertising. This resulted in Bing increasing market share and now powering one third of the entire US searches on the internet. Her work not only helped Bing monetize, but also improved user experience and advertiser satisfaction by better matching what users want to their search results.

2014 AAEOY March 1, 2014 - Marriott SFO

ASIAN AMERICAN ENGINEER OF THE YEAR AWARD





Let's build a Smarter Planet.

On a Smarter Planet, almost anything can be instrumented, interconnected and infused with intelligence. For over 100 years, we've strived to provide all our clients with innovative solutions for their business needs, through our deep industry expertise, business insights and proven technology leadership. Because as we move towards a globally integrated economy and society, we find ourselves at a moment of enormous challenge – and of great opportunity.

Let's build a Smarter Planet.



ibm.com/smarterplanet

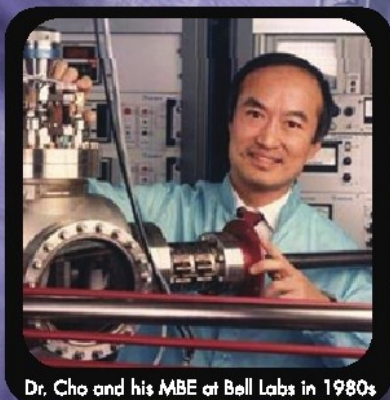


IBM, the IBM logo, ibm.com, Let's build a Smarter Planet, Smarter Planet and the planet icons are trademarks of International Business Machines Corporation, registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at www.ibm.com/legal/copytrade.shtml. © IBM Corporation 2011. All rights reserved.

P26581

The invention of MBE is the second greatest thing Dr. Alfred Cho has done.
His greatest contribution is:

SHARE THIS TECHNOLOGY WITH THE WORLD!



Dr. Cho and his MBE at Bell Labs in 1980s

IntelliEPI MBE Facility, 2013

IntelliEPI is a leading III-V semiconductor epi-foundry using MBE technology to provide high speed, high frequency materials for advanced wireless and fiber optic communications. Our wafer products, in the form of IC chips, are inside 50% of the mobile phones globally. Established in 1999 at Dallas metro area, now is the largest Independent MBE epi-foundry in USA.

 **IntelliEPI**
www.intelliepi.com

• 1250 E Collins Blvd., Richardson, TX 75081-2401 USA • Tel: 972.234.0068 • Fax: 972.234.0069



IN OUR COMMUNITY, WE VALUE DIVERSITY AND INNOVATION.

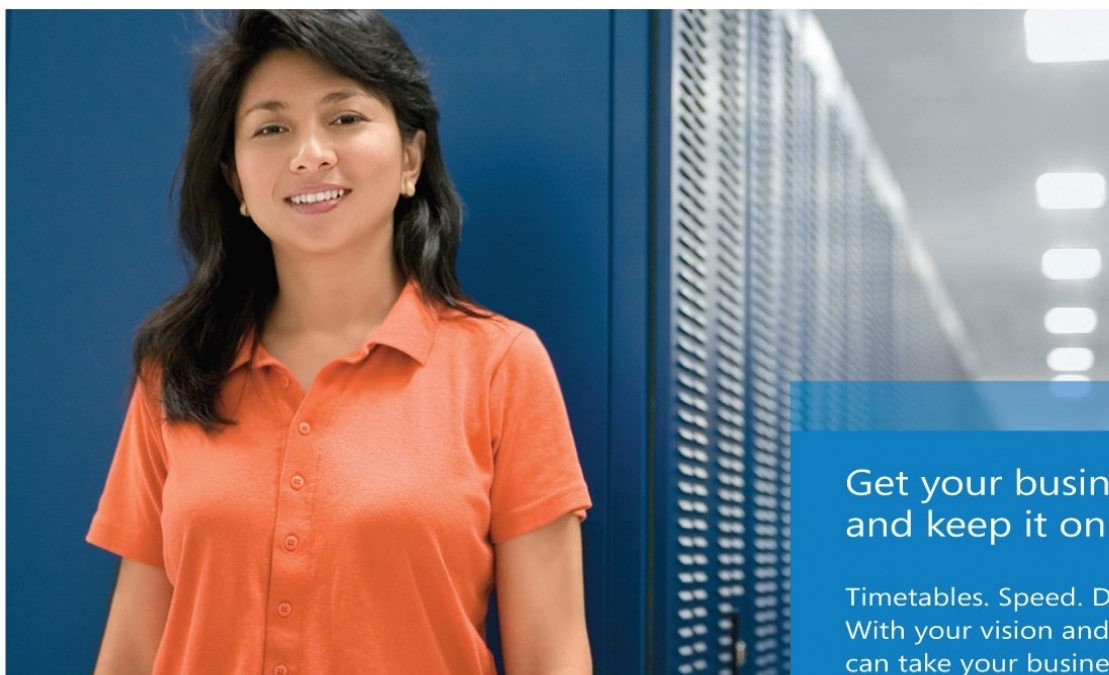
CONGRATULATIONS TO THE WINNERS OF THE 12TH ANNUAL ASIAN AMERICAN ENGINEER OF THE YEAR AWARDS.

We are proud to sponsor this year's ceremony and to honor the outstanding Asian American professionals in our community. Because of your commitment and achievements in science and technology, we look forward to a brighter future. To this, we are all committed.

WE DELIVER.



oncor.com



Get your business going,
and keep it on the right track

Timetables. Speed. Direction. Destination. With your vision and our technology, you can take your business to some beautiful places. At Microsoft, we believe that your potential is nonstop.



EMPOWERING OTHERS, SHARING SUCCESS

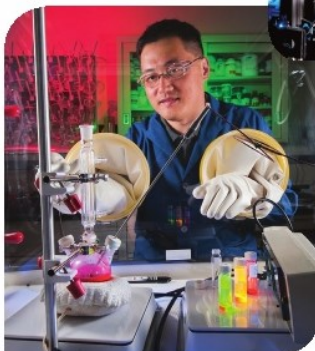
At Verizon, we envision opportunities to use our networks and technology to help solve some of society's greatest challenges – like education, health care and sustainability. Since 2000, we've invested more than \$650 million to help make our communities better places to live and work. Verizon is sharing its technology, resources and passion so that together, we can be even more successful.



Check our success at verizonfoundation.org
Share yours @VerizonGiving 



World-changing technologies. Life-changing careers.



It's our people who impact lives through technology.

Sandia is a center for innovation and creativity, a place where science, technology, and national security intersect, where the nation's best engineers, innovators, and educators partner to solve problems and train the next generation of scientists and engineers.

Our fundamental commitment is to provide innovative, science-based systems, engineering solutions to the most challenging problems that threaten peace and freedom for our nation and the globe.

Sandia National Laboratories, working with the best and the brightest to embrace an enduring commitment to excellence and mission success.



Sandia National Laboratories

Operated By

LOCKHEED MARTIN

Learn more >>

www.sandia.gov/careers

Sandia is an equal opportunity employer. We maintain a drug-free workplace.

ENJOY AUTHENTIC NEW YORK AND SOUTHERN STYLE FAVORITES

Cindi's N.Y. DELICATESSEN RESTAURANT & BAKERY

FIVE GREAT DFW LOCATIONS

DALLAS (CAMPBELL & COIT)

DALLAS (S. HOUSTON ST.)

CARROLLTON (MIDWAY RD.)

DALLAS (FOREST & MARSH)

DALLAS (BETWEEN NORTHAVEN & ROYAL)

CINDISNYDELI.COM



SHORE CHAN BRAGALONE DEPUMPO LLP

Shore Chan Bragalone DePumpo LLP
is proud to support the

2013 Asian American Engineer of the Year (AAEOY) Award

Shore Chan Bragalone DePumpo LLP is a leading law firm focused on patent and intellectual property licensing, litigation and enforcement. The firm is engaged in matters worldwide, including Japan, China, Taiwan, Korea, European Union, and the United States.



Bringing Innovation to Litigation

www.shorechan.com

Bank of America Plaza 901 Main Street, Suite 3300 Dallas, Texas 75202 214-593-9110

Andrews Kurth is proud
to support the

Chinese Institute of Engineers

Congratulations to all of the
2013 Asian American Engineer
of the Year Nominees.

For more than a century, Andrews Kurth LLP, an international law firm with over 400 lawyers, has built its multidisciplinary practice with the belief that "Straight Talk Is Good Business." We represent an impressive list of global clients spanning multiple industries and areas of law.

AUSTIN BEIJING DALLAS HOUSTON LONDON NEW YORK
RESEARCH TRIANGLE PARK THE WOODLANDS WASHINGTON, DC
andrewskurth.com

ANDREWS
ATTORNEYS **KURTH** LLP
STRAIGHT TALK IS GOOD BUSINESS.®

National Aeronautics and
Space Administration



NASA Glenn Research Center

www.nasa.gov



Creating technologies that can change the world



At Texas Instruments, we are innovators delivering solutions that help our customers create new electronics that make the world smarter, healthier, safer, greener and more fun. We share a passion for discovery and a commitment to making a difference.

Congratulations to the Asian American engineers, scientists, educators and leaders who have made exemplary contributions to the engineering and science professions.

To learn more about Texas Instruments, visit
www.ti.com



THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

THERE'S NEVER BEEN ANOTHER AIRCRAFT LIKE IT.
OR ANOTHER PERSON LIKE YOU.

Develop revolutionary new ways to fly.
Work with technology that's redefining the cutting edge.
Discover how it feels to soar.

boeing.com/careers/AAEOY



Boeing is an equal opportunity employer supporting diversity in the workplace.

