Silicon Valley Engineering Council

Engineers Week Banquet

1989-2020
A generation of stellar progress

National Engineers Week Banquet
Silicon Valley Engineering Hall of Fame
More Info about Artificial intelligence and the fight against climate change:

What is the future of innovation in science and technology? What impact will it have on society?

These two questions underpin Curiosity on Stage, Ingenium’s thought leadership series on contemporary issues of global importance. Each event — staged at the Canada Science and Technology Museum in Ottawa — brings together leaders from private industry, academia, and government to discuss scientific and technological issues that are topical, divisive, and important to Canadians.

“Can artificial intelligence (AI) tackle climate change?” Recently, the media has been flooded with warnings about climate change, and wildly contrasting predictions about the promise and pitfalls of AI. What you may not know is how AI and climate change are linked.
Welcome everyone to the 2020 Engineers Week Banquet organized by the Silicon Valley Engineering Council (SVEC) www.svec.org.

Founded in 1989 Silicon Valley Engineering Council is an umbrella organization of Engineering Societies in Silicon Valley. It is the alliance of engineering leaders in their societies and technical organizations.

Every year since 1990, SVEC has hosted the Engineering Week Banquet celebrating accomplishments of all fields of engineering that began in 1951 by National Society of Professional Engineers (NSPE).

This year, DiscoverE Engineers Week (February 16-22) as always it includes Girls Day (February 20) – Introduce a Girl to Engineering- an opportunity for us to introduce engineering to young girls and women and try to close the gender gap.

Last Year DiscoverE introduced the Global Day of Engineers (April 3)- The first-ever survey of engineers around the world, to discover what engineers have in common, what’s different, and what it means for the future of engineering. Calling All Engineers! Be counted-take the global engineer survey. This year Global Day of the Engineer is March 4, 2020

Each year DiscoverE has different theme. This year’s theme, Clean Water.

Will talk more about DiscoverE letter in the program when we award DiscoverE Awards to teachers who have made a difference in students lives by inspiring their students to get involved in engineering projects and study engineering.

Tonight, we induct two distinguished Engineers into the Silicon Valley Engineering all of Fame (HoF) in recognition of their significant professional achievements, life-long contributions to engineering and to their service to the community. Tonight, we also recognize future engineers with our Education Awards.

With much appreciation we recognize all our sponsors and participating organizations without which we could not put on such a grant celebration of engineering and engineers. We recognize the founders of the Silicon Valley Engineering Council (SVEC).

With a great honor we recognize all our distinguished SVEC Hall of Fame recipients. We are very proud of all of you. We recognize this year’s speaker and all our speakers we had over all these years. We recognize our SVEC Committee Chairs and SVEC Council Officers. We welcome and give thanks to our student volunteers that help with the banquet and give them opportunity to meet with professional engineers and engineering leaders.

In the coming years, we hope to further enhance the Silicon Valley Hall of Fame though year-long activities. To do this well, we need the support of the member societies, such as bringing nominations to the Hall of Fame and recognizing contributors from their respective organizations and domains. If you share this vision around the Hall of Fame or have other suggestions, please reach out to us at SVEC.

Advantage in engineering are increasingly cross-disciplinary. SVEC’s mission is to enhance engagement among engineers of different fields. Sadly, in the past, SVEC had its shares of wrong leaders who did not dare to care about SVEC and brought SVEC in delinquent state for their own personal gain, which we discovered in a very hard way.

But we, the current leadership of SVEC, did not turn our backs to let SVEC be misused and abused. We made a lot of positive changes to SVEC, revived SVEC, worked around the clock and brought SVEC into Current Active state and to the highest level it has ever been and will keep raising it higher and higher. Tonight, we will celebrate our great achievement, we raised the bar in all our programs: DiscoverE (Discover Engineering) educational outreach, Education Awards, the Keeper of the Flame.

Tonight, we are honoring Two Keeper-of-the Flame Awards and Four DiscoverE Awards to deserving teachers and Ten Scholarship/Education award to deserving students, inspiring them to study engineering, and pay it forward from generation to generation.

The council provides a channel of communication for information exchange among societies and the community. Our resources are as good as our participating organizations. We would love to have involvement from even more local engineering societies to help with SVEC’s mission of outreach and engagement among engineers of different fields and with potential engineers working on their education. We need your help to get out the word to your organizations about the classes which would like an engineer visit and to get out the word to schools about the engineers willing to give their time to inspire the next generation in engineering.
Welcome from the SVEC MC

Devin Fehely
Master of Ceremony

Multiple award-winning journalist Devin Fehely joined KPIX 5, the CBS affiliate in the San Francisco Bay Area, as an anchor and reporter in 2015.

Joining the KPIX 5 newsroom was a homecoming for the San Jose native. In a career that's spanned more than two decades, Devin has worked for television stations in San Jose, Monterey, New Orleans, Atlanta and San Francisco.

Devin has been honored with more than a dozen regional Emmy awards for his work as an investigative reporter, storyteller and photographer. He is also a six-time recipient of the prestigious Edward R. Murrow award, recognizing his work for Excellence in Video, Writing and Hard News. Devin is the co-host of the KPIX 5 weekend morning news which can be seen from 6am to 7am each Saturday and Sunday.

In an ever-changing newsroom environment in which journalists are routinely asked to do more with less, Devin is the station's Senior Sky Drone 5 Pilot — certified by the FAA as a remote pilot.

Working alongside a team of journalists, Devin principally cover stories and issues in the South Bay and Santa Clara County.

Engineering Hall of Fame

The Silicon Valley Engineering Hall of Fame is sponsored by the Silicon Valley Engineering Council. Its aim is to celebrate the accomplishments of engineers in Silicon Valley who have demonstrated outstanding professional achievement and have made significant contributions to the Silicon Valley community. The Council’s Silicon Valley Engineering Hall of Fame Award Committee selects inductees following review of submittals made by member professional societies, corporations, or individuals. Inductees are selected on the basis of professional achievement, service to the profession and service to the community. Following selection, an induction ceremony is held as a part of its annual Engineers Week Banquet in February.
Terry E. Shoup started his career at Ohio State University, earning his B.S., M.S. and Ph.D. degrees in Mechanical Engineering. In 1969 he went to Rutgers University as an assistant Professor. And in 1975, at the University of Houston he was teaching at high administrative levels. In 1980, he became Assistant Dean at Texas A&M. In 1983, Terry became Dean at Florida Atlantic University.

In 1989, Terry joined Santa Clara University as Dean and Professor of Mechanical Engineering. During his 13 years term, he more than doubled the number of Endowed Chairs and increased Endowed Scholarships from zero to 27. He established a Merit Scholarship raising the average SAT to more than 100 points. At Santa Clara University he founded the Engineering Alumni and Industry Advisory Boards. In 1991, he inaugurated the Prestigious Distinguished Engineering Alumni Award. Terry has written more than 100 technical papers on Mechanical Design and Applied Mechanisms and is the co-author of “Design of Machine Elements” textbook. Terry has received 18 Awards, including the ASME Larson, ASEE Faculty and Czechoslovakia Academy of Science Awards.

In service to his profession, Terry is an ASME Fellow, a member of the American Society for Engineering Education and the American Association for the Advancement of Science. In 2006-2007 Terry was the 125th President of ASME International. Presently, he is Chair of the ASME Foundation.

“Ninety one engineers have been inducted since the first Engineering Hall of Fame induction ceremony in 1990. The Hall of Fame includes individuals who have become household names in Silicon Valley, and they are all distinguished by their outstanding engineering accomplishments, professional achievement, service to the profession and service to the community”
Keynote Speaker

Climate Change and Innovative Approaches to a Sustainable Future

Dr. Steven Chu
Former Secretary of Energy,
Nobel Laureate in Physics, and
Professor, Stanford University

Abstract
Dr. Chu will present the keynote talk at the Engineer’s Week Banquet titled “Climate Change and Innovative Approaches to a Sustainable Future.” Dr. Chu’s presentation will address to climate change and the ways that engineering, science and innovation can help the society toward a sustainable future through innovations in food production and power transmission; advances in energy storage, economically competitive electrochemical production of hydrogen; and population growth.

Speakers Bio
Steven Chu is the William R. Kenan Jr. Professor of Physics and Professor of Molecular & Cellular Physiology in the Medical School at Stanford University and currently President of the American Association for the Advancement of Science. He has published numerous papers in atomic physics, polymer physics, biophysics, molecular biology imaging, ultrasound imaging, nanoparticle synthesis, batteries and other clean energy technologies. He holds 18 patents and patents pending, with 18 patent disclosures or filings since 2015 that range from nanoparticle synthesis, batteries, medical devices and ultrasound imaging.

He served as the 12th U.S. Secretary of Energy from January 2009 through April 2013. Prior to that, he was director of the Lawrence Berkeley National Laboratory, professor of Physics and of Molecular and Cell Biology (2004 to 2009), professor of Physics and Applied Physics at Stanford University (1987 to 2009), a member of the technical staff and then head of the Quantum Electronics Research Department at AT&T Bell Laboratories (1978 – 1987).

Dr. Chu is the co-recipient of the 1997 Nobel Prize in Physics for his contributions to laser cooling and atom trapping and has received numerous other awards. He is a member of the National Academy of Sciences, the American Philosophical Society, the American Academy of Arts and Sciences, 7 foreign Academies and an Academician of the Pontifical Academy of Sciences. He received an A.B. degree in mathematics and a B.S. degree in physics from the University of Rochester, and a Ph.D. in physics from the University of California, Berkeley, and 32 honorary degrees.

“How Engineers Can Help Fight Climate Change!”

Dr. Steven Chu

The SVEC Vision... To bring together engineers and engineering societies, fostering professionalism, enabling synergy of member organizations, enhancing the understanding and recognition of accomplishments in engineering, and inspiring and developing future engineers of tomorrow.
Program Schedule

5:00PM  Reception and Exhibits in the Foyer area

6:15PM  Move to Dining Hall

6:30PM  Welcome
Devin Fehely, Master of Ceremonies
Yllka Masada, President
Silicon Valley Engineering Council

6:45PM  Dinner with Friends

7:30PM  Recognition of Member Societies
Yllka Masada, President, SVEC

7:35PM  Recognition of Distinguished Guests, Societies, and Sponsors
Devin Fehely, Master of Ceremonies

7:45PM  Keynote Presentation, Intro by Sharif Zadeh, Vice President, SVEC
Dr. Steven Chu
Former Secretary of Energy,
Nobel Laureate in Physics, and
Professor, Stanford University

8:10PM  SVEC Engineering Hall of Fame Induction Ceremony
Dr. Terry E. Shoup
SVEC Hall of Fame Presenter

8:30PM  Keeper of the Flame/Discover E Awards
Rose-Margaret Ekeng-Itua
Director, Silicon Valley Engineering Council

8:45PM  Student Scholarship Awards
Tom Tafolla
SVEC Education/Scholarships Committee Chair

9:00PM  Program Close
SEMI congratulates the Silicon Valley Engineering Council on 30 years of service to engineers and technical organizations in Silicon Valley

The world is moving faster than ever before. That’s why Lockheed Martin Autonomous technology combines the efficiency of technology with the decisiveness that only people can provide. Making us more effective than ever before.

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www.sjsu.edu/me
www.sjsu.edu/AvTech
The influence of semiconductor technologies, silicon and software systems, in our daily lives is undeniable today. Starting the day with phones and coffee makers in the morning to traffic lights in our commutes to work or the HVAC systems powering our office buildings are all made of such systems. The same way that electricity transformed industries earlier in the 20th century and later semiconductor software systems helped shape the last half century, AI will transform the next few decades of the 21st century and beyond. The reason for it is simple economics. Semiconductor software systems made the cost of a very important economic input cheap. In the case of AI, prediction is the transforming economic input. We are at an inflection point where AI is becoming so affordable that it's quickly becoming ubiquitous... and the law of economics simply tells us that when something gets cheap, it becomes available everywhere. Perception AI, or AI applied to sensor data to analyze and understand it for a final decision, is reducing the cost of sensor-based predictions when it's applied to cameras, microphones, and other types of sensors. The companies that utilize the power of perception AI these days will win in the future. The key to perception AI is intelligence at the edge or Edge AI. Figure 1 shows various applications of Edge AI in industrial, consumer, aerospace, automotive markets. The study by Barclay’s Research shows the large growth opportunity for AI Inference, i.e. perception of data, at the edge which will surpass data center inference in the cloud by 2023. But this "affordable" technology comes at a cost. There are important barriers to entry, including time to market, complexity, and scalability. Decisions made over the upcoming years with this AI technology will forever transform the value chain in several industries. In the next decade, the world will see rapid evolution of predictive AI primarily due to the ability of industry and consumers to utilize sensors working together with trained machine learning models to solve AI problems on edge devices. Perception AI will be as ubiquitous in the next decade as semiconductor software systems became in the past century. We will observe problems that were not assumed as prediction...
AI in the same way arithmetic solutions began to be applied to non-arithmetic problems in the age of semiconductor software systems. It was not so long ago, when photography was a chemistry problem, since inventing the photograph up until just a few decades ago. But technology advancements transformed photography into a mathematical problem in software. Semiconductor software systems became affordable enough that we could solve the problem of creating images differently. We don’t need bitumen, silver halide, or several other chemicals to take and process photos. We observed the evolution of digital photography from experimentation in the lab to affordable ubiquitous mobile devices in the past few decades.

The inflection point in perception AI we’re seeing today is on a much more accelerated path. Considering the significant benefits of perception AI and the fast decreasing costs of computing at the edge, we’d expect that perception AI will be as ubiquitous as semiconductor software systems in the next decade.

What is accelerating this transformation is AI computing at the edge. Computing on the edge is unlocking the potential of perception AI to revolutionize how we solve business problems. We will see every company, regardless of their industry, becomes an AI company in the next decade. Perception AI will have significant implications for industries worldwide. Some industries will win, and some will lose. Several industries are already experiencing this transformation, including retail, automotive, manufacturing, and hospitality.

With the evolution of perception AI, we find the opportunity to influence the value chain in all industries. Some companies have already begun doing this with good results. They are transforming the structure of existing industries to their benefit in this process. New companies preparing to benefit from this opportunity are considering: Where in the value chain are the integration points? What parts of the value chain are delivered by one actor compared to others that are modularized? Perception AI is changing this landscape. The companies that deploy Artificial Intelligence at the edge and utilize the power of Edge AI to transform the value chain will win in their industries in the next decades.

While benefiting from Edge AI, companies should consider several challenges and follow appropriate guidelines. Such considerations include proper experimentation to determine ROI, data security and privacy at the edge, scalability in large volume production, robust and reliable product lifecycle, and flexible and open source implications.

“The companies... that utilize the power of Edge AI to transform the value chain will win in their industries...”

About the Author:
M. Sharif Zadeh
Founder & President,
AI Technologies
www.linkedin.com/in/Sharif-Zadeh

M Sharif Zadeh is Founder and President of AI Technologies to advise-mentor-curate AI startups in Silicon Valley through accelerators, and entrepreneurship programs at local universities with a team of advisors and university partners to help startups and corporate teams grow and succeed.
technology, an innovator, an entrepreneur, a high-tech company founder, a distinguished educator, and a mentor to young aspiring engineers. Following earning a PhD in Mechanical Engineering from the University of California in Berkeley at the age of 25, he started his career in Silicon Valley. Advancement in storage device technology has enabled ever more functional and affordable storage devices, with dramatic impact on virtually every aspect of life in modern society. The key to continual improvements in storage device density has been the invention and development of advanced technologies in high density rotating disk file storage systems. Dr. Barez, designed, developed and manufactured a variety of products for data storage disk drive industry, in particular, design of the unique servo clock heads to increase disk file storage. Virtually all documents and photos stored in the ‘clouds’ utilizes technologies developed by Dr. Barez. Dr. Barez is the current Chair of Aviation and Technology, Professor of Mechanical Engineering, and past Chair of the Mechanical and Aerospace Engineering at San Jose State University. He is a magnet to attract and inspire engineering students to his programs, has a variety of research interests such as Electronics Packaging, Semiconductors, Smart Home and Energy Efficiency, Self-driving and Autonomous Vehicles. He introduced over 35 new courses in support of workforce development in Silicon Valley; developed educational and research laboratories, supervised graduate students, and published journal and conference papers, book chapters and manuscripts. Dr. Barez is a member of several professional and honorary societies. A co-founder and past president of SVEC, co-founder and President of SIP, and Project Enable. President of ASME Santa Clara Valley, Life Member, Fellow and recipient of the ASME’s prestigious ‘Dedicated Service’ Award, Life Member of the Chinese Institute of Engineers (CIE), and a co-Trustee of the Epsilon Pi Tau Honorary Society.

Dr. Freidoon Barez
Professor & Department Chair
San Jose State University

Dr. Barez is a leader, aggressive participant to
Throughout his career spanning four decades, Ajit Manocha has been a pioneer, business leader, and champion of industry collaboration as a critical means of advancing technology for societal and economic prosperity. He has been adept at forming strong partnerships with customers, suppliers, governments and communities for these efforts. Ajit began his career as a research scientist at AT&T Bell Laboratories, where he was granted over a dozen patents related to semiconductor manufacturing processes that served as the foundation for modern microelectronics manufacturing. He went on to hold senior worldwide operations leadership roles at Philips Semiconductors (NXP) and Spansion before serving as President and CEO at GLOBALFOUNDRIES and SEMI. He has served on the boards of SEMI, SIA and GSA. Ajit was an advisor to President Obama on the Advanced Manufacturing Partnership Steering committee and on the President’s Council of Advisors on Science and Technology (PCAST). In 2012, during his tenure at GLOBALFOUNDRIES, Ajit was awarded the prestigious “EHS Achievement Award — Inspired by Akira Inoue” for his commitment and action on Environmental Health and Safety standards. Additionally, he has excelled in people development by teaching courses such as “Leadership by Example” and “Classroom to Cleanroom to Boardroom.” Currently, as President and CEO of SEMI, Ajit has initiated a major transformation to expand SEMI’s scope and responsible for $5 billion worth of Subcontracts. Prior, Mark was deputy to the Military Space Vice President and general manager. Responsible for national security space programs including GPS, early warning missile detection, military communications missions and the Mobile User Objective System. influence to represent the broader electronics manufacturing supply chain. He has positioned SEMI to tackle major challenges facing the industry and support the community by building up Workforce Development and Diversity & Inclusion programs to address the growing talent shortage and lack of gender parity across the industry. In December 2019, Ajit was named an “All Star of the Semiconductor Industry” by VLSI Research for his visionary leadership in restructuring SEMI from its traditional position to represent the expanded electronics supply chain.
Our 91 SVEC Hall of Fame Honorees

1990
- Mr. Leo W. Ruth
- Mr. A. Louis London
- Dr. Frederick E. Terman

1991
- Dr. Dale L. Compton
- Ms. Esther Williams

1992
- Mr. Fred H. Tibbetts
- Dr. Robert N. Noyce
- Dr. Robert J. Parden

1993
- Mr. Michael H. Antonacci
- Dr. Russell H. Varian

1995
- Mr. George S. Nolte, Sr.
- Mr. Norman O. Gunderson
- Dr. Edward L. Ginzton

1996
- Dr. David A. Thompson
- Mr. Richard K. Pefley
1991
Dr. William R. Hewlett  
Dr. David Packard  
Mr. Reynold B. Johnson  
Ms. Mary G. Ross  
Dr. John G. Linvill

1993
Mr. Sigurd F. Varian  
Mr. Daniel M. Tellep  
Dr. George L. Sullivan  
Dr. Joseph B. Franzini  
Dr. Paul J. Friedl

1996
Dr. William J. Perry  
Dr. James F. Gibbons  
Mr. Sam M. Cristofano  
Dr. Bernard M. Oliver  
Dr. Jay D. Pinson

1997

1998

1992

NATIONAL ENGINEERS WEEK – Hall of Fame – 2020 Engineers Week Banquet

SILICON VALLEY ENGINEERING COUNCIL (SVEC)
SVEC MAGAZINE
FEBRUARY 19, 2020
# Our 91 SVEC Hall of Fame Honorees

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<th>Year</th>
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<td>Mr. Anthony (Tony) Turturici</td>
<td>Mr. William (Bill) J. Adams</td>
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<td>Dr. Gordon E. Moore</td>
<td>Dr. James M. Hait</td>
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<td>Ms. Jane G. Evans</td>
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<td></td>
<td>Mr. Robert J. Frankenberg</td>
<td>Dr. John L. Hennessy</td>
<td>Mr. Roy L. Clay, Sr.</td>
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<td>Dr. Mihir Parikh</td>
<td>Mr. Kumar Malavalli</td>
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<td>Dr. Dan Maydan</td>
<td>Dr. Douglas Engelbart</td>
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<td>Mr. Kenneth Levy</td>
<td>Dr. Thomas Kailath</td>
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<td>Dr. Sass Somekh</td>
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1999
Dr. Bernard Widrow

2000
Dr. Koichi (Ko) Nishimura
Dr. Fredrick J. Moody

2001
Dr. Frank S. Greene, Jr.
Dr. William F. Miller

2004
Mr. Steven G. Wozniak
Dr. Marcian E. "Ted" Hoff, Jr.
Dr. Chang-Lin Tien

2005
Dr. T.J. Rodgers
Dr. David Patterson

2006
Dr. Lotfi Zadeh
Mr. Jack Baskin
Dr. Paul Baran

2007
Dr. James Spilker, Jr.
Dr. Bradford W. Parkinson
Our 91 SVEC Hall of Fame Honorees

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<td></td>
<td>Mr. W.J. “Jerry” Sanders III</td>
<td>Jimmy Kazuhiro Omura, Ph.D.</td>
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<td>Mr. Stanley T. Myers</td>
<td>Sung-Mo “Steve” Kang, Ph.D.</td>
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<td>Dr. J. Patrick Kennedy</td>
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<td>Mr. Steve L. Poizner</td>
<td>Dr. Mohammad Humayon Gayoumi</td>
<td>Mr. John Celli</td>
<td>Dr. David N.K. Wang</td>
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<td>Robert E. Berry</td>
<td>Meyya Meyyappan, Ph.D.</td>
<td>Dr. Alan M. Title</td>
<td>Mr. Richard J. Elkus, Jr.</td>
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<td>Dr. Aart de Geus</td>
<td>David K. Lam</td>
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<td>Dr. Richard Stuart</td>
<td>Dr. Chenming Hu</td>
<td>Dr. Randy Howard Katz</td>
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<td>Mark A. Pasquale</td>
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YLLKA MASADA is the Founder, President & CEO of KELMENDI ENGINEERING INC. She is an entrepreneur and innovative technology leader, with vision and passion in technology. She is results driven, effectively connects with individuals and groups.

Yllka is a Computer Engineer, with degrees in Computer Engineering (Electrical and Electronics Engineering, Hardware, Software, Network and Multimedia Engineering) a minor in Mathematics and has decades of experience in all areas of her expertise nationally and internationally. She has worked in many high-tech companies, among others 13 years at Cisco Systems as a key Hardware Design Engineer for the Cat6K product line; Director of Applications Engineering, held key roles at companies she worked for and successfully delivered above expectations. Yllka is an experienced leader with exceptional leadership skills and has very successfully lead companies and societies for decades now, nationally and internationally.

In addition to being the Founder, President and CEO of KELMENDI ENGINEERING INC., Yllka is also the Chief Technology Officer (CTO) at AES. Yllka is committed to promoting Science, Technology, Engineering, and Math (STEM).

Yllka is recognized as Powerful Women in Tech in 2018 Year Award and she is also featured in Design World November 2018 Special Edition https://www.designworldonline.com/women-in-engineering-engineering-as-a-key-to-knowledge-and-independence/

Yllka currently also serves as Chair of IEEE Computer Society Silicon Valley chapter, https://computer.ieeesiliconvalley.org/about-us/
She is a strong leader with proven track record for leadership and technology management. Her exceptional leadership skills revived IEEE Computer Society Silicon Valley chapter and made it the most active chapter of IEEE.

Yllka is also the current President of Silicon Valley Engineering Council (SVEC), www.svec.org
She served as President of SVEC in 2018-2019 term and was re-elected as the President of SVEC for the 2019-2020 term.

Yllka currently also serves on the Department Advisory Committee (DAC) of Electrical Engineering at San Jose State University, https://ee.sjsu.edu/about-ee/department-advisory-committee

M. Sharif Zadeh (IEEE-SCV-CS-SSCS-CNSV), Vice President, Silicon Valley Engineering

Mojtaba SharifZadeh is a technology leader and entrepreneur in Silicon Valley, Founder and President of AI Technologies, specialized in Artificial Intelligence and Machine Learning (AI/ML), computer vision, hardware and software design for communication systems, internet networks, semiconductors, as well as business development for teams and products, with track record of leadership and technology management.

Trained in academia at Stanford, University of California, Berkeley and Davis, and Sharif University of Technology (SUT) in Electrical Engineering and Computer Science, Sharif has extensive industry experience with proven track record for generating meaningful Intellectual Property (IP) through publications at top-tier IEEE conferences and journals as well as patents.

Sharif founded AI Technologies for expert technology consulting, advisory, investment in Artificial Intelligence and Machine Learning for startups and corporations, to advise-mentor-curate AI startups in Silicon Valley through AI conferences, incubators, accelerators, and entrepreneurship programs at local universities such as Stanford engineering and business schools. He has created an experienced team of scientific, legal, business advisors and university partners to help AI startups and corporate teams grow and succeed.

He has served as member, chair, and executive board member at IEEE Silicon Valley, Computer Society, Silicon Valley Engineering Council (SVEC), Consultants Network of Silicon Valley (CNSV), program chair of IEEE Artificial Intelligence Symposium, and Entrepreneurship for AI Ventures Program Chair at Artificial Intelligence Conferences for ValleyML.ai. Sharif also serves as advisor and mentor for startups in Silicon Valley and for entrepreneurship graduate courses at Stanford University.
Dr. Rose-Margaret Ekeng-Itua, Ph.D
Director, SVEC

Dr. Rose-Margaret Ekeng-Itua, is a multi-award winning Professor of Engineering, a recipient of the Society for Women Engineers (SWE) Advocating for Women in Engineering Award and the American Society for Engineering Education (ASEE) Outstanding Teaching Award. She is a TEDx Speaker, the founding leader of the National SWE African American Affinity Group and the current President of SWE Mount Diablo Chapter in the Bay Area. Rose-Margaret Ekeng-Itua is a Professor of Engineering at Ohlone College, with over 15 years of experience in Higher Education. Before moving to the US, she was the Chair of the Engineering Department, Distinguished and Senior Lecturer at the University of West London, London, UK. She holds a B.Eng. (Hons) in Electrical/ Electronic Engineering, from the Federal University of Technology Owerri, Nigeria, an MSc. in Mobile and Satellite Communication Engineering from the University of Surrey, Guildford, UK and a Ph.D in Cybernetics from the University of Reading, UK. She is the 2017 Outstanding Teaching Award recipient from the American Society of Engineering Education (ASEE) PSW section. Prof. Itua also received the 2017 Faculty of the Year Award from Ohlone College. A 2018 Society for Women Engineers Award recipient for the Prestigious “Advocating for Women” Award. Prof. Itua has been a two time Visiting Research Fellow at The University of California, Berkeley where she carried out research on Smart Sustainable Manufacturing and Smart Micro-grids respectively. Her other research interests are Artificial Intelligence (AI), Internet of Things (IoT), Human Computer Interaction (HCI), STEM Education, Appropriate Technology for Developing Countries, and the Impact of Technology on Society. She has been recognized by UNESCO, BBC, and the IEEE for her contributions towards bridging gender and race divides in STEM education and careers. She is the current President of the Society of Women Engineers (SWE) Mount Diablo Chapter, California, and a Director of the Silicon Valley Engineering Council. She is also the first and founding Lead for the Society for Women Engineers (SWE) African-American Affinity Group. Rose-Margaret has created a TED-Ed Animation series themed ‘The Unsung Heroes/ Heroines’ in STEM.

Tom J. Tafolla, J.D.
Education/Scholarships

Tom is the founder and CEO of the Silicon Valley Tech Hub (SVTH), licensed and operating in San Jose, California since September 2019. SVTH is a management consulting firm focused on small to medium-sized technology-oriented companies. It provides business and technical professional development training, consulting services to technology-based startups, and is targeting business opportunities in Mexico, China, and Vietnam. Ending in October 2019, Tom was former Chairman of the Engineering Management Department at International Technological University (ITU), located in San Jose, California. His tenure with ITU spanned from August 2011 to October 2019. During this period, he was a professor of business and engineering management. While at the university, Tom was the founder of a long sought after business incubator which he helped establish in October 2017. In March 2018, Professor Tafolla was named a winner of a Lemelson Center Fellowship. The Lemelson Center for the Study of Invention and Innovation is housed in the National Museum of American History (NMAH) in Washington, D.C. and is part of the 19 museums that comprise the Smithsonian Institution. He received a grant to conduct research at the NMAH and the United States Patent Office in Alexandria, Virginia to uncover utility patents issued to American Latinos from 1848 to the present. Thus far, he has identified over 11,000 U.S. patents and has a book planned to share the results of his work. Tom’s employment in Silicon Valley tech companies dates back to 1980, and extends up to 2009. In this period, he has worked as an electromechanical designer, patents and trademarks manager, regulatory specialist, and as a contracts and legal services manager. Academically, his areas of interests include product management, cybersecurity management, innovation and entrepreneurship, intellectual property (patents, trademarks, copyright, and trade secrets), international business, marketing, medical device design and development, and business analysis for software development.

Kiran Gunnam (IEEE)
Education/Scholarships

Dr. Kiran Gunnam’s breakthrough contributions are in the areas of advanced error correction systems, storage class memory systems and computer vision based localization & navigation systems. Dr. Gunnam has 75 issued patents and 100+ patent applications/invention disclosures on algorithms, architectures and real-time low-cost implementations for computing, storage, and computer vision systems. Dr. Gunnam’s patented work has been already incorporated in more than 2 billion data storage and WiFi chips and is set to continue to be incorporated in more than 500 million chips per year. Dr. Gunnam is also a key contributor to the precise localization and navigation technology commercialized for autonomous aerial refueling and space docking applications. His recent patent-pending inventions on low-complexity simultaneous localization and mapping (SLAM) and 3D convolutional neural network (CNN) for object detection, tracking and classification are being commercialized for LiDAR+camera based perception for autonomous driving and robotic systems. Dr. Gunnam received his MS/EE and Ph.D. in Computer Engineering from Texas A&M University, College Station. He works as a Distinguished Engineer - Machine Learning & Computer Vision at Western Digital. He also teaches machine learning systems at Santa Clara University. He is an IEEE Distinguished Speaker and Plenary Speaker for 25+ events and international conferences. He also organized/chaired more than 50 talks, short courses and workshops for the benefit of IEEE members.
Computer Network System Management

Computer Network System Management (CNSM) is a BS Degree in the Industrial Technology Program at San Jose State University. This program is intended to prepare graduates for the ever increasing employment opportunities in the field of Computer Network Systems Management.

Select Courses for CNSM
Typical courses for CNSM major include:
- Introduction to Internet of Things (IoT)
- Network theory and Application
- Network Administration
- Wireless Communication
- Connected Products Application
- Network Security & Prevention Management
- Cloud Computing System Management
- Cyber Security System Management
- Blockchain Technology and Applications
- Industrial IoT
- Machine Learning Applications

Career Preparation
The Computer Network System Management graduates could design, implement, and maintain computer and information networks such as Local Area Network (LAN), Wide Area Network (WAN), internet/intranet/extranet, and data communication networks. They would be able to design and maintain network and computer security to protect.

Fields of Employment
The Computer Network System Management is a diverse and expanding field which leads to careers including telecommunications and network services. The Computer Network System Management program prepares students to work in Technical and Management fields in support of the network with excellent salaries.

Apprenticeship
The qualified CNSM Program students will be eligible to seek apprenticeship opportunity with industry such as Cisco. Students of such an apprenticeship could earn course credit by working on Computer Network System Projects for technical elective courses and the two-semester long senior project.

Contact
Computer Network System Management Program
Technology Department
San Jose State University
One Washington Square
San Jose, CA, 95192
408-924-3190
http://www.sjsu.edu/avtech/
Who Are We
DiscoverE is the backbone organization behind Engineers Week (established 1951), Introduce a Girl to Engineering Day (2001), World Engineering Day (2016, formerly known as Global Day of the Engineer), the Global Marathon (2005), and the Future City Competition (1993). Our programs and resources have been adopted and adapted by individuals and organizations around the globe.

Our programs and special campaigns cover pre-k to work force and intersect at the points of corporate social responsibility, public affairs, and talent acquisition. They are highly collaborative, represent the breadth of engineering, and are compelling yet simple to execute. This strategy enables organizational partners, volunteers, and educators to effectively reach millions of students, parents, and young adults with the message that engineers work with smart, inspiring people to invent, design, and create things that matter.

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It's Working, Yet More Needs To Be Done
• 84% of DiscoverE educators and 88% of volunteers report meeting a STEM professional helps students learn about engineering careers.
• 74% of educators report that their students do not have many opportunities to meet an engineer or technical professional.

We challenge you to help us reach every child and provide an engineering experience.
• Organizations: Join our Coalition
• Volunteers & Educators: Get Involved

...there is an astounding lack of understanding about what engineers do, even among children of engineers.
SVEC Discover E Award Recipients

Discover “E” (E for engineering) is a nationwide student outreach program to expose elementary, junior and senior high school students to engineering and cultivate their interest in math, science, and engineering. This outreach program takes place annually in Silicon Valley from the beginning of National Engineers Week until the end of March. The Discover “E” program was initiated in 1990. Thousands of engineers throughout the United States participate in the program every year. The Discover “E” outreach effort in the South Bay area has been coordinated by the Silicon Valley Engineering Council since 1992.

Stephen Widmark
UC Berkeley

Stephen Widmark graduated from UC Berkeley with a degree in physics and then flew F-111s in the USAF for six years. He then became a physical science teacher and has taught physics, chemistry and earth science in high schools throughout California. He is currently teaching AP Physics at Mountain View High School where he has started programs in stratospheric balloon exploration, high-powered rocketry, radio astronomy, and nano satellites.

Shriee Srinivas
Orion Montessori School

Shriee Srinivas is the CEO/Founder of Orion Montessori School located in West San Jose. She is also an instructor to aspiring student teachers at the AMI Primary training center in Milpitas, CA. Shriee believes in the universal child and their infinite potentialities. She’s of the strong opinion that providing an enriching, fond and lifelong educational experience for every child should be the passionate call of every educator and the moral duty of the world towards children everywhere.

Gina Dunsmore
Teacher

Gina has been a physics teacher at Mountain View High School for the past 17 years. She is currently teaching 5 sections of college-prep Physics to 11-12 graders and serves as the science department chair. She has been the teacher advisor for the MVHS Robotics team, runs the MVHS all sky camera searching for bolides and organizes interactive booths and speakers as the MVHS STEAM Week coordinator. She loves inspiring students to pursue their passions in STEM.

Clair Delaney

From 2013 to 2020 Clare held positions of Assistant Coach, Program Director and Co-Head Coach of the Mountain View High School Science Olympiad Program. For the past 6 years, she also has been active in coordinating Mountain View High School’s STEM week activities, which include guest speakers and science demonstrations from student groups, teachers, and industry guests. The emphasis of Clare’s volunteer work has been primarily on the inclusion of all students in group activities with an emphasis on science’s role in creating a better future.
SVEC Keeper of the Flame Award Recipients

During the 1990s, the content of K-12 mathematics and science courses came under attack by the education establishment. These “new math,” “integrated math,” “discovery math,” etc. courses sought to protect students from difficulties in learning traditional mathematical skills. But it failed to provide students with the proper mathematical skills. Science education also suffered due to an “anti science movement.” This includes attacks on what scientists do, how they affect society and the scientific method of reaching objective truth.

Sorin Neagu  
Independence High School

Sorin is a dedicated teacher and has worked at Independence High School since 2010 developing automotive related laboratory to inspire students in vehicle design, in particular with electric and hybrid type. He has worked with ME Department faculty and students in developing educational projects and laboratories.

Hector Albizo  
Irvington High School

Hector is the Information Technology Academy Coordinator there and educates students in a variety of subjects, in particular Information Technology and computer Networks. He has been involved with San Jose State University in developing a Career Pathway in Computer Network Systems from High Schools to San Jose State University in motivating the STEM students to pursue a college degree.
Silicon Valley Engineering Council History

The alliance for engineering leaders in the Silicon Valley (www.svec.org):
- Silicon Valley Engineering Council is an umbrella organization of engineering societies in the Silicon Valley area of California.
- Serves as a collective focus to support your professional engineering organization and to serve the needs of your membership and the engineering education community in the San Francisco Bay Area.

NSPE started National Engineers Week in 1951. Since that year, engineering societies in Santa Clara Valley have organized together E-week banquets annually.

Silicon Valley Engineering Council First team 1989 by a group of engineers with the Engineers Club of San Jose led by Joe Louis started planning the incorporation the SVEC
- Jim Hill (SAMPE)
- Mary Rogers (SWE)
- Fred Barez (ASME) wrote the Council’s BYLAWS

Silicon Valley Engineering Council First team 1989. By June 1989 the first officers of the Council were appointed. These included:
- Jay Pinson (ECSJ) President
- Jim Hill (SAMPE) Vice President
- Mario Baratta (APWA) Secretary
- and Fred Barez (ASME) Treasurer

SVEC Logo (designed by Dr. Fred Barez) is a silicon wafer with several integrated chips. The five marked dies indicate the original five-member organizations:
- APWA, American Public Works Association
- ASME, American Society of Mechanical Engineers
- ECSJ, Engineers Club of San Jose
- SAMPE, Society for Advancement of Materials and Process Engineering
- SWE, Society of Women Engineers

1989 First SVEC Annual Engineers Week Banquet
- In October 1989 the Council began organizing the annual Engineers Week Banquet to be held in February.

1989 First Silicon Valley Engineering Hall of Fame Award Established
- In November 1989, Dr. Jay Pinson (ECSJ) proposed establishing the Silicon Valley Engineering Hall of Fame Award to recognize persons within the Silicon Valley area who have earned distinction through engineering and technical achievements and who made outstanding contributions to the engineering profession and to the Silicon Valley community.
- Dr. Fred Barez proposed establishing the “Keeper of the Flame” award to recognize outstanding K-12 teachers
- Dr. David Levinson championed SVEC leading the local Discover”E” effort to bring engineers to classrooms

National Engineers Week was founded in 1951 by the National Society of Professional Engineers. It is always celebrated at the time of George Washington’s birthday. Our nation’s first president was a military engineer and a land surveyor and so it is fitting that we celebrate it at this time of year. The mission of Engineers Week is to increase public awareness and appreciation of the engineering profession. It is sponsored by a national steering committee comprised of volunteer leaders from the engineering societies and major U.S. corporations that contribute financially to the annual event. Each year a different engineering society and a corporate partner team up to chair the event.
Special Thanks

Yllka Masada  
M. Sharif Zadeh  
Stanley Myers  
Richard Elkus, Jr.  
Kiran Gunnam  
Ro Khanna  
Office of Congressman Ro Khanna  
Sandra Winkler  
City of Santa Clara  
Student Volunteers:  
Kiarash Behzad  
Edgar Buenrostro  
Solomon Vivian Chitati  
Josiah Lopez  
Bradley Yong  

All our Hall of Famers …and all of the attendees

SVEC History

"Engineers in action inspiring tomorrow's engineers"  

Celebrating the 10 year anniversary of the Silicon Valley Engineering Council's Engineering Hall of Fame!

2000 NATIONAL ENGINEERS WEEK

What: National Engineers Week is celebrated each year at the time of George Washington's birthday. Our nation's first president was a military engineer and a land surveyor.

When: George Washington's birthday is on Sunday, February 22 (observed Monday, February 17) and National Engineers Week 2000 takes place February 20-26.

Who: Washington's agricultural, military and land-surveying skills led to his acquiring the title of our nation's first engineer. As a general, he issued an order on June 9, 1778, calling for engineers and engineering education, which is considered to the beginning of a U.S. Engineer School. He directed a growing society toward technical advancements, invention and education.

Where: National Engineers Week is celebrated across the country through activities such as:

Discover "E": Engineers visit K-12 classrooms to talk with students about what engineers do and show practical applications of math, science and engineering.

Why: The purpose of National Engineers Week is to increase the public's awareness and appreciation of the engineering profession. During the Week, engineers participate in a variety of activities to help create an interest in engineering, math and science.

The American Consulting Engineers Council (ACEC) is the 2000 lead society and CH2M Hill is the lead corporation. National Engineers Week planning kits are available.
The Honorable Ro Khanna  
17th Congressional District of California

Certificate of Special Congressional Recognition

Presented to

The Silicon Valley Engineering Council

in recognition of the 31st anniversary of The Silicon Valley Engineering Council celebrating Engineers Week and the induction of the 2020 Hall of Fame Honorees

February 19, 2020

Date

Congressman Ro Khanna  
U.S. House of Representatives
WHEREAS, the Silicon Valley Engineering Council was established in 1989 in order to assist its member engineering and technical organizations in Silicon Valley to serve and provide outreach to the members and the community; and

WHEREAS, the Silicon Valley Engineering Council promotes engineering educational activities, programs, and outreach for students and recognizes young engineering and technology students for their dedication, focus, and commitment by awarding them scholarships; and

WHEREAS, the Silicon Valley Engineering Council will celebrate its 31st anniversary and host their Annual Engineers Week Banquet on February 19, 2020; and

WHEREAS, the Silicon Valley Engineering Council has honored outstanding individuals for their contributions by welcoming them into its Hall of Fame for their outstanding professional achievements, both in engineering and technology; their commitment to the engineering community; and for their significant contributions to the Silicon Valley community; and

WHEREAS, for the past 31 years, the Silicon Valley Engineering Council has served the engineering societies in the Silicon Valley area of California through its dedication to: increase public understanding of the impact of engineering and science in enhancing the quality of life; promote community service by the engineering and technical societies and their members; coordinate activities and assist communications among local engineering organizations; and promote the career development of engineers and technical professionals;

NOW, THEREFORE, I, LISA M. GILLMOR, by virtue of the authority vested in me as Mayor, and on behalf of the City of Santa Clara and the entire City Council, do hereby honor and congratulate the

Silicon Valley Engineering Council

on its 31st anniversary and do hereby recognize them for their work and contributions toward the advancement of engineering technology in the Santa Clara community and beyond.

Given under my hand and the Seal of the City of Santa Clara, California, this 18th day of February 2020.

LISA M. GILLMOR
MAYOR
City of Santa Clara
Hybrid & Electric Vehicle Technology Laboratory

The Hybrid and Electric Vehicle Technology Laboratory is developed to provide students with state of the art knowledge, education, and skills in preparation to enter the workforce for this growing industry.

This Laboratory is established to provide research opportunities and hands-on experience in the following areas of battery studies, charging stations, on-board electronics and navigation, vehicle drive train performance, autonomous and, connected vehicles, software development for distracted driving solutions, collision avoidance and lane keeping and other ADAS techniques, communications using DSRC and V2X protocols. This laboratory supports hands-on experience for the following courses and research projects:

- Automotive Engineering
- Hybrid and Electric Vehicle Fundamentals
- Autonomous and Connected Vehicles

This Laboratory is equipped with a dynamometer, various diagnostic scanners, instrumentation, battery chargers, charging station, and various sensors including LiDAR, cameras, RADARs and ultrasonic devices.

SPONSORS
Member Organizations

AIChE, American Institute of Chemical Engineers
https://www.aiche.org/community/sites/local-sections/northern-california

ASCE, American Society of Civil Engineers, San Jose Branch
http://asce-sf.org/

ASM Intl, American Society of Materials, International
http://www.asminternational.org/web/santa-clara-valley-chapter/home

ASME, American Society of Mechanical Engineers
https://www.eventbrite.com/o/asme-santa-clara-valley-section-484885605

EAA, Electric Auto Association Silicon Valley
http://www.eaasv.org

IEEE-CS, Computer Society
http://computer.ieeesiliconvalley.org

IEEE-CIS, Computational Intelligence Society
https://ieee-region6.org/scv-cis/

IEEE-SSCS, Solid State Circuits
http://sites.ieee.org/scv-sscs/

IEEE SWE East Bay Chapter

SAE, Society of Automotive Engineers, Mid Cal Section
http://www.sae.org
https://www.meetup.com/SAE-Innovations-in-Mobility/
http://www.sjsuforumulasae.com/

SAMPE, Society for the Advancement of Materials and Process Engineers
Northern California Chapter
http://www.nasampe.org/group/northerncalifornia

SME, SME Silicon Valley Chapter 098
http://connect.sme.org/smesiliconvalley/home

SWE, Society of Women Engineers, Santa Clara Valley Section
https://www.swescv.com/
Why Joining SJSU Aviation Program?

SJSU’s aviation program provides specialized training that builds on understanding the fundamentals of aviation along with mathematics, science and general courses. Students are prepared for a wide range of careers in the aviation industry including airport, maintenance and operations management, air traffic control management, professional flight and avionics.

Why Study Aviation at SJSU?

- SJSU aviation program is the only public, comprehensive four-year Aviation degree on the West Coast of the US.
- Hands-on learning environment with state-of-the-art technology.
- Accomplished faculty who are dedicated to teaching and active engagement with students

Industry partnerships with opportunities to participate with faculty and Silicon Valley industry partners.

Career Opportunities

SJSU Aviation Program has a very high success rate placing over 90 percent of its graduates in careers directly related to their major program of study. Graduates of SJSU Aviation earn salaries comparable to those of business and engineering graduates.

Graduates of the Program secure employment at various San Francisco Bay Area Airports such as San Jose Airport (SJC), San Francisco Airport (SFO), Oakland Airport (OAK), and County Airports such as Reid-Hillview and San Martin, as well as small airline such as Signature and Atlantic.
SVEC Education Award Recipients

The Silicon Valley Engineering Council Engineering Education awards recognize young engineering and technology students for their dedication, focus, and commitment to engineering. Engineering and Technology students graduating from high school (i.e. high school senior class) or presently enrolled in undergraduate community college or university programs are eligible to apply. We are pleased to select the following 10 outstanding students for Silicon Valley Engineering Council Engineering Education awards-2020.

Scholarships funded by
- SEMI
- Lockheed Martin Space
- IEEE SCV SCS
- IEEE CS

Christopher Choo, Ohlone College
I am a studying Electrical Engineering at Ohlone College. In school, I love being a part of the Engineering Club, leading the SMUD Solar Regatta boat racing team and working on robotics projects. Outside of school, I love playing music and exploring the outdoors with friends.

Christopher Choo, Ohlone College

Bryson Delph, San Jose State
I’m currently enrolled in San Jose State University’s Aviation program with plans of becoming a pilot for both the Air Force and the airlines after graduation. I’m currently the Treasurer of SJSU’s chapter of Women in Aviation and will be attending the international conference in Orlando this spring.

Bryson Delph, San Jose State

Erick Estrada, Alisal High
I live in an agricultural town, but my passion has always been computer science. I learn everything I can with or without help. Whether it's reading a textbook in passing period or developing my own application, I am creating and growing. I desire significance in the field of computer science.

Erick Estrada, Alisal High

Luis Garcia, TJ Owens Academy
Luis David Garcia is a dual enrollment student at Dr. TJ Owens Gilroy Early College Academy. He is pursuing an MD/Ph.D. in neurosurgery and computer engineering. He spends his free time volunteering at St. Louise Regional Hospital. He also represents Gavilan College's student body as the Vice President of Finance and enjoys relaxing with his family.

Luis Garcia, TJ Owens Academy
SVEC Education Award Recipients

Xiomara Quinonez  
Cristo Rey High School  
My main career goal is to create products that will arm students, in impoverished communities in the United States and internationally, for educational success. I aspire to create and operate my own Ed-tech company that focuses on developing software tools that will teach students how to code and provide them access to hands-on projects in order to fully grasp content - the way I have - in a way that interests them.

Alexis Velasquez  
Alisal High School  
My main career goal is to create products that will arm students, in impoverished communities in the United States and internationally, for educational success. I aspire to create and operate my own Ed-tech company that focuses on developing software tools that will teach students how to code and provide them access to hands-on projects in order to fully grasp content - the way I have - in a way that interests them.
Bachelor of Science Degree
Industrial Technology

Manufacturing Systems
The Manufacturing Systems concentration is designed to prepare graduates for technical and management Careers in industry.

Field of Employment and Career Opportunities
The Manufacturing system degree program prepares graduates for careers in semiconductor, biomedical, electronic manufacturing contracting, Computer Network Systems and hardware manufacturing and automotive production.

Career Preparation and Course selection
The manufacturing systems graduates could design efficient processes, implement quality assurance program, develop robotic assembly and computer integrated manufacturing. Typical course are: Facility Design, Quality Assurance and Control, Project Management, Lean Manufacturing, Automation and Control, 3D Printing, Polymers, and Sustainable Product Design.

Technology Program
San Jose State University
One Washington Square
San Jose, CA, 95192
408- 924-3190

A program designed to offer a combined BS Degree and minor in Business upon Graduation.

www.sjsu.edu/avtech
The smart home is defined as a ‘building’ where various devices, equipment, and products can be monitored and controlled through the application of smart mobile devices. This includes the control of lighting, heating and cooling, energy management, consumer electronics, safety and security, smoke and hazardous gases monitoring.

ENERGY EFFICIENCY
Home energy refers to the efficient use of energy such as natural gas, electricity, solar, and home heating in maintaining a ‘comfortable’ environment. Application of smart mobile devices and the emerging technologies would allow for improved Energy Management of Energy Efficient Homes.

NATIONAL FENESTRATION RATING COUNCIL
The NFRC administers an independent, uniform rating and labeling system for the energy performance of fenestration products such as windows. NRFC 100 standard provides rating on a variety of factors related to the energy performance of windows such as the U-factor, Solar Heat Gain Coefficient, Transmission of light, Air Leakage and Condensation Resistance.
PIONEERS OF PROGRESS

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Leadership Council:
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#Eweek2020
Silicon Valley Engineering Council
Annual Banquet
February 19, 2020
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SVEC thanks our generous community supporters and major donors

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Josiah Lopez
Bradley Yong
All our Hall of Famers …and all of the attendees