Welcome Remarks
Dr. Andrew Hsu
Don Beall Dean
Charles W. Davidson College of Engineering
Dr. Susan W. Martin
SJSU President

Sponsor Speakers
Maria Constantino-Roelandts
President
Maria & Wim Roelandts Foundation
Fred Egley
Sr Engineering Director
Etch Electrical Engineering, Lam Research Corporation
Joseph Parisi
President
Therna Corporation
David Wahl
Vice President, Operations & General Manager
Jabil

Recipient Speakers
Nicole Deleon
Doug Munson Scholar
Travis Carmichael
National Science Foundation Engineering Leadership Pathway Scholar

Welcome from Dean Hsu
My warmest welcome and heartiest congratulations to all of the scholarship recipients! We at the Charles W. Davidson College of Engineering are extremely proud you have been awarded these prestigious scholarships and by your decisions to pursue your academic explorations at the Davidson College of Engineering at San José State University. I would also like to extend my heart-felt appreciation to our individual and company donors for supporting the dreams and aspirations of these inspiring students.

By choosing SJSU to pursue your higher education, you will have ample opportunity to work with many of the nation’s best educators while acquiring real world experience with Silicon Valley industries. You have chosen a college that is among the top U.S. institutions providing bachelors and masters level engineering education, and just this year, U.S. News & World Report named SJSU’s Computer Engineering program as the best in the nation. Additionally, several other media and industry publications puts SJSU on the top of a short but prestigious list of the most desirable universities from which new engineers are hired by Silicon Valley industries.

Once again, I offer my congratulations and welcome you to our college.

Andrew Hsu
Don Beall Dean, Charles W. Davidson College of Engineering
SPEAKERS

Maria Constantino-Roelandts
“Engineers are the Creators of Wealth so I say, become an Engineer or marry one.”

Fred Egley

Joseph Parisi
“Don’t be afraid to take on any job. You never know where it may lead.”

David Wahl
“When I was up there, stranded by myself, did I think I was going to die? Yes. Absolutely, and that’s what you need to know going in because it’s going to happen to you. This is space. It does not cooperate. At some point everything is going to go south on you. Everything is going to go south and you’re going to say ‘This is it. This is how I end.’ Now you can either accept that or you can get to work. That’s all it is. You just begin. You do the math, you solve one problem. Then you solve the next one, and then the next and if you solve enough problems you get to come home.”

2015 – 2016 SCHOLARS

AMT-WiE Scholar
Kiersten Miller, CE

Applied Materials Scholars
Jordan Helledy, BioMed
Vikas Naveen, CmpE

Ching Family Scholar
Alyssa Walker, GE

Constantino-Roelandts Scholar
Tiffany Richardson, AE

Ditmore Family Endowment Scholar
Cassandra Villicana, BioMed

Doug Munson Scholars
Nicole Deleon, ISE
Tom George, EE

Emma Legg Scholar
Nadia Zaka, CE

Harry Wong Scholars
Ashley Bidabe, CE
Jared Cochuiuco, CE
Michael Souza, ME

Hickman Family Scholar
Ashwarya Borkat, SE

Jabil Scholar
Katyaann Melenbacker, ME

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Kyle Carter, CmpE
Michael Lee, CmpE

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Kayla Camargo, GE
Marcus Meyer, IndTech
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Vivian Leung, SE

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Andy Ma, EE
Hugo Jauregui, CheE
Peyusha Boorada, ME

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Hugo Tupac-Yupangui, ME
Maynor Mazaniego, EE
Vanessa Gutierrez, EE

MEP-Cisco Scholars
Eulisies Valdovinos, ISE
Mikhail Krasner, CheE
Wilton Chang, ME

MESA Engineering Program Scholars
Crystal Perez-Reynudo, ME
Sawtinder Bassanpal, CE

Parisi Family Scholars
Alyssa Ruiz, ME
Brandon Arias, AE

SVES Fund
Antonio Hernandez, CE
Ramon Valencia, CA

National Science Foundation Engineering Leadership Pathway Scholars
Anthony Bowe, ME
Branden Andersen, ME
Carolyn Jaring, BioMed
Christopher Leon, CE
Eulisies Valdovinos, ISE
Gregory Toland, ME
James Fok, CE
Jonathan Carlson, ME
Leroy Baltazar, ME
Luis Arevalo, SE
Kareem Darksazani, ME
Karen Ekenuche, ME
Kelli Sum, ISE
Kyle Thompson, CheE

Martin Garcia, EE
Melissa Ortiz, CmpE
Michael Walker, MatE
Mikhail Krasner, CheE
Quyen Tran, ME
Quynh Ho, BioMed
Ramon Valencia, CE
Stephanie Hadley, AE
Tai Tran, EE
Thomas Nguyen, ME
Travis Carmichael, BioMed
Tyler Bruno, CmpE
Tyler Jones, SE
Yvette Valdez-Carranza, CA

National Science Foundation Engineering Leadership Pathway Faculty Mentors
Fred Barez
Jacob Tsao
Laura Sullivan-Green
Magdalini Eirinaki
Nicole Okamoto
Richard Chung
Robert Morelos
Thalia Anagnos

San José State University | Charles W. Davidson College of Engineering

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SCHOLARSHIP AWARDEES

APPLIED MATERIALS SCHOLARS
Jordan Helledy | Biomedical Engineering
“I hope to change the world by inventing and/or creating new medical devices that can have positive results in the medical field. I want to be able to help those who have sacrificed their lives for this country by making advancements with prosthetics for wounded veterans.”

Vikas Naveen | Computer Engineering
“My dream job is to become an entrepreneur of technology. I hope to start my own company one day that builds innovative products. My goal is to improve my technical and management skills which will allow me to run an engineering company.”

CONSTANTINO-ROELANDTS SCHOLAR
Tiffany Richardson | Aerospace Engineering
“My dream job is to manage a team that designs and builds aircraft for NASA discovery missions. I hope to make many important discoveries and help to expand the world’s knowledge of the galaxy surrounding us.”

AMT-WIE SCHOLAR
Kiersten Miller | Civil Engineering
“My dream job is to become a water resource engineer and work with a company that develops innovative ways to provide developing and developed countries access to clean potable water. Since my experience in working on a project in designing a first flush diverter system for a community in Ecuador, I grew passionate about the issue of water contamination worldwide and the growing need of water in countries worldwide.”

EMMA LEGG SCHOLAR
Nicole Deleon | Industrial & Systems Engineering
“Having this scholarship has allowed me to pursue my goals outside of academics. I have become extremely involved on campus over the years, established great contacts through networking events, and secured several opportunities that I might not have obtained without the distinction of being a scholar.”

DITMORE FAMILY ENDOWMENT SCHOLAR
Cassandra Villicana | Biomedical Engineering
“As a first-generation college student I have learned to be resourceful. If I cannot find the answers on my own I do not hesitate to ask those around me because I have learned that we are all students and we are all teachers. I will never stop learning or offering my knowledge to other.”

DOUG MUNSON SCHOLARS
Nadia Zaka | Civil Engineering
“After I graduate I hope to really make an impact on our infrastructure as a Civil Engineer. I want to really implement a sustainable lifestyle into our infrastructure, by keeping the environment in mind when designing.”

Tom Georgen | Electrical Engineering
“Working for the math department for the past 4 years, as a Calculus tutor, I found out that I love to teach. In the future I plan to work towards a PhD in Electrical Engineering and I want to eventually become a professor. I hope that by teaching students and performing research that I can help others.”

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SCHOLARSHIP Awardees

**HARRY WONG SCHOLARS**

**Ashley Bidabe | Civil Engineering**

“I hope to change the world by utilizing my knowledge to help spread the “good” in our society. This “good” could range anywhere from simply smiling at someone to using my future career in Civil Engineering to build more homeless shelters to help struggling families.”

**Jared Gochuico | Civil Engineering**

“Too many people do not have the resources to meet their basic human needs. With water resource projects such as EWB’s Honduras project, I am able to apply what skills I have to urgent engineering needs.”

**Michael Souza | Mechanical Engineering**

“What makes me stand out as a College of Engineering student is my commitment to my studies and making our academic community better. I make it a point to leave a positive impact wherever I go and I aim to create a lasting positive impact at SJSU before I graduate.”

**HICKMAN FAMILY SCHOLAR**

**Aishwarya Borkar**

Software Engineering

“In the future, I envision myself working as a full stack mobile and web app developer (my dream job), and harnessing my passion for soccer and my skillset to create an app that enhances the experience of European soccer fans such as myself who reside in America.”

**JANE EVANS ENDOWMENT SCHOLARS**

**Kimberly Flores | Computer Engineering**

“This scholarship has allowed me to start my journey of expanding my network at such an early stage of my college experience. Growing up shy, talking to professionals and peers have always been difficult. Through this scholarship, I have been able to meet such respected individuals.”

**JABIL SCHOLAR**

**Jared Gochuico | Civil Engineering**

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**Kyle Carter | Computer Engineering**

“My favorite project I worked on was a high school robotics competition where we had to design and build a robot, write the actionable code, and compete against a couple dozen other teams and robots.”

**Michael Lee | Computer Engineering**

“I feel like my personality is something that makes me stand out as an SJSU Engineering Student. People always say that I’m not a typical Engineer... whatever that means!”

**JABIL SCHOLAR**

**Katyaann Melenbacker**

Mechanical Engineering

“I hope to change the world by having a career in the Department of Defense and creating the best and most innovative technology in order to drastically reduce the amount of human beings needed to complete extremely dangerous missions.”
SCHOLARSHIP Awardees

KLA-TENCOR SCHOLARS

Alex Gomez Chavez | Computer Engineering
“One of the biggest, if not the biggest, reason I chose San Jose State University was because of its well renowned Engineering department. This department has contributed vastly to the technologically rich Silicon Valley. I want to be one of those contributions.”

Isaiah Gosiengfiao | Electrical Engineering
“I hope to change the world by making a community, NOT only through engineering projects, but the effect of them and what they can do to bring people closer together.”

Katie Burrows | Computer Engineering
“I think the most exciting thing this scholarship has allowed me to do that I wouldn’t have been able to do otherwise is the networking. I have met so many wonderful people through SVES that I would not have otherwise. Even just knowing the other scholarship recipients has helped me learn more about the school and advice where it comes to jobs.”

Kayla Camargo
General Engineering
“Coming from generations of farm workers, picking oranges and other crops, my families hopes and dreams were that I had the chance that seemed impossible for themselves- to get an education, a college degree. I hope to make their dreams come true, and to give back to them.”

Matthew Ignao | Mechanical Engineering
“My dream job would be to work in a company in the research branch. I want to vary my knowledge and constantly experiment on new ways products can be developed or optimized to become more efficient. I hope to continue learning new things through my career.”

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KLA-TENCOR SCHOLARS

Marcus Meyer | Industrial Technology
“My dream job would be to own a technology company that designs and develops an electrical device/system that helps to protect, improve, and maintain the natural environment so that humans can live in a more sustainable way.”

Matthew Ignao | Mechanical Engineering
“My dream job would be to work in a company in the research branch. I want to vary my knowledge and constantly experiment on new ways products can be developed or optimized to become more efficient. I hope to continue learning new things through my career.”

Vivian Leung | Software Engineering
“I want to work for an organization/cause that strives to improve the hearts and habitats of humankind. I am a firm believer that the Earth is a sacred place for life and that it needs our protecting. Any skill set that I may have, I hope to be able to give back to society for giving me all the opportunities of life, love, and happiness.”
SCHOLARSHIP AWARDEES

LAM RESEARCH SCHOLARS

Adam Jonathan | Chemical Engineering
“Thankful for this scholarship to support me throughout my time at SJSU.”

Peeyusha Boorada | Mechanical Engineering
“Ever since I was child, I’ve been told that the stars were the limit. To this day, that phrase fuels my passion and dream to actually go out into space and travel among them. I hope that maybe in the future, I can be part of the manned mission to Mars.”

Adela Quintanar Gomez | Electrical Engineering
“A project in my engineering class was designing and constructing a wind turbine to find maximum power was a fun experience for me. It was very interesting because it heavily relied on how my team and I performed. Also, it gave me a little more freedom, after subtracting the restrictions, to design how I want to.”

Hugo Jauregui | Chemical Engineering
“Most importantly this scholarship has granted me the opportunity to be the first one of my family to go to college. Without this scholarship I would not have enough financial support to get this achievement.”

MAYNOR MAZARIEGO | Electrical Engineering
“It took a lot of weight off my shoulders. I was struggling to pay for my tuition and the scholarship greatly helped me. Even though I work, my income is not enough for books and supplies. By having this scholarship I was able to focus on school rather than worry about school expenses.”

Vanessa Gutierrez | Mechanical Engineer
“This scholarship has allowed me to participate in many Engineering networking conferences, it has also helped pay for some of my tuitions since I do not get any financial aid.”

Andy Ma | Electrical Engineering
“Aside from technology, I hope to get more people to understand that there is only one Earth and that once it is gone, it’s gone forever. It is our responsibility to make it better. I hope to change the way people see and treat the planet.”

Hugo Tupac-Yupanqui | Mechanical Engineering
“I am an older student that joined the military right after high school in 2001. After returning home after 6 years of service I decided to return to school. I choose engineering because of my trade I learned as an aircraft mechanic in the Air Force.”

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12 San José State University | Charles W. Davidson College of Engineering

Panel Discussion event with the Senior Chapter of the Institute of Industrial Engineers

Tao Beta Pi hike at Sanborn County Park with Dr. Hsu

Stephanie Hadley: Astrophysics Research Symposium

International Human Factors and Ergonomics Society Annual Meeting Los Angeles 2015

Research group in Taiwan for the Global Technology Institute. Project-Real-time Processing ECG Signals

BMES Coulter College program in Miami Laparoscopic surgery project team

Females being represented in engineering

Stephanie Hadley: Aerodynamics Laboratory

EXCEED Summer Program group project

International Society for Pharmaceutical Engineers SJSU chapter at vendor’s night, South San Francisco

Kiersten Miller: Studying Abroad in England at the University of Hertfordshire for Spring 2015

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SCHOLARSHIP AWARDEES

MEP-CISCO SCHOLARS

Wilton Chang | Mechanical Engineering
“I want to continue my efforts in STEM outreach for K-12 students, especially for those who do not have the opportunity to get a taste of STEM at school or at home. Future engineers, scientists, mathematicians, and leaders can come from anywhere and be anyone, regardless of birthplace, gender, sexual orientation, status, or race.”

Eulises Valdovinos | Industrial & Systems Engineering
“My dream job includes leading and empowering people to be the best they can be. I see myself with a company that allows for continuous growth and rewards employees who value the company, exceed in their job, and help others grow.”

Mikhail Krasner | Chemical Engineering
“This scholarship gave me an opportunity to meet very interesting and inspiring people. People who motivate me to strive for the best. In addition, I was able to cover my tuition fee through scholarship money, which was a great financial relief.”

SVES FUND

Crystal Perez-Reymundo | Civil Engineering
“I hope to change the world by advocating more higher education for first generation students but most importantly to women in minorities because it is the hardest to break that cycle. I also would like to make more green buildings to make our planet healthier.”

Satwinder Bassanpal | Civil Engineering
“My mentality being that every project is an interactive experience for civilians and these interactive experiences along with sustainable design are the future driving forces of the Civil Engineering field. I have accomplished this goal and have taken a step closer to my dream.”

Ramon Valencia | Civil Engineering
“I want to be the change that I want to see in the world, so that others who come from disadvantaged background as know that they can make it.”

Antonio Hernandez | Civil Engineering
“This scholarship has changed my personality to the complete opposite of what I used to be. Before college I was an introvert, only talking to those who were close to me. Heading into college I knew that this would have to change.”

PARISI FAMILY SCHOLARS

Brandon Arias | Aerospace Engineering
“I am involved in Wolfpack Running Club. I ran competitively in high school and wanted to continue in college without having to be on an official NCAA team. Running can be very relaxing at times and helps clear the mind of every day stressors. I also push myself to get better every day. It is very rewarding to see how you have progressed over the years.”

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SCHOLARSHIP AWARDEES

NATIONAL SCIENCE FOUNDATION
ENGINEERING LEADERSHIP PATHWAY SCHOLARS

Anthony Bowe | Mechanical Engineering
“I hope to change the world through either nanotech or robotic prosthetics. I feel both of these fields can greatly benefit mankind and broaden our horizons for the future.”

Christopher Leon | Civil Engineering
“This scholarship has been a blessing in so many ways. First, I would say that I have been able to meet and be taught by some great mentors. The mentors of ELPS really care about the students in the program and have been very helpful to me personally.”

Carolyn Jaring | Biomedical Engineering
“My dream job is to become a design engineer for a company dealing with biomedical devices. Being a past nursing student, I saw the need for improving various medical equipment. I hope that with this line of career, I will be able to help patients by designing safe, affordable, and ergonomic biomedical devices that will cater to their needs.”

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Christopher Leon

Branden Andersen | Mechanical Engineering
“My dream job would be programming robots and designing innovative ways to make robots more accessible to more people. I hope to start my own automation business that designs robots that help people in their daily lives. I hope by the end of my career that I will have designed robots that have allowed people to live more independent and fulfilling lives.”

Gregory Toland | Mechanical Engineering
“I would like to work at a startup where I can follow the design process from beginning to end and be able to say this project would not be here without me.”

Eulises Valdovinos

Jonathan Carlson | Mechanical Engineering
“I’ve been able to focus on my studies, and network with some incredible people from all areas, professionals, current and former students, and faculty. I’ve also learned a lot about leadership and discovered more about who I am as a leader and a young professional.”

Leroi Baltazar | Mechanical Engineering
“My dream job is to work in the energy industry to help make more efficient energy solutions. I hope to contribute to the efforts towards “green” energy and creating sustainability for the Earth.”

Carolyn Jaring

Christopher Leon

Eulises Valdovinos

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Eulises Valdovinos

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San José State University | Charles W. Davidson College of Engineering

2015–2016 Scholarship Recognition Luncheon
**Luis Arevalo** | Software Engineering

“Having this scholarship has allowed me to pay for school and not worry about taking out loans. I don’t have to put a burden on my father of how I am going to pay for school I can be at ease and focus on school.”

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**James Fok** | Civil Engineering

“My dream job would be the General Manager of the Raiders or Lakers because I would get paid to watch sports which is a win-win in my book. In all seriousness, I hope to be senior engineer with my TE and PTOE license in the future. I hope to design a transportation system to support the advancements in transportation technology such as autonomous vehicles.”

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**Kareem Darkazanli** | Mechanical Engineering

“I would like to make an impact on our educational system. During my time at West Valley College, I volunteered as a tutor because I believe students should not have to pay to receive help with their education.”

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**Kelli Sum** | Industrial & Systems Engineering

“My well-rounded extracurricular activities make me stand out as an SJSU Engineering Student. I volunteer at cultural events for the Northern California Cherry Blossom Queen Program and tutor middle school students at an all-girls middle school. So, I am very involved with the community in addition to my studies at SJSU.”

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**Martin Garcia** | Electrical Engineering

“I never would’ve thought I would be attending San Jose State, let alone pursuing an engineering degree. It was not until my community college that I really knew I wanted to pursue an engineering degree.”

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**Kyle Thompson** | Chemical Engineering

“My dream job is to be a corporate executive of a major chemical processing company. I chose my major because I find chemical processing to be very interesting, and I also want to be able to use the resources I accumulate during my career to do pro bono humanitarian work in other countries that are in need of chemicals and industrial improvement.”
Mikhail Krasner | Chemical Engineering
“"This scholarship gave me an opportunity to meet very interesting and inspiring people. People who motivate me to strive for the best. In addition, I was able to cover my tuition fee through scholarship money, which was a great financial relief.”

Diverse text and images are present in the image.
SCHOLARSHIP Awardees

NATIONAL SCIENCE FOUNDATION
ENGINEERING LEADERSHIP PATHWAY SCHOLARS

Thomas Nguyen | Mechanical Engineering
“My dream job would be to work for the City of San Francisco as a Maintenance Engineer. I have been interning for the city for the past two years, and I have grown to enjoy the impact that we have on the public water system. I hope to reach a management position in my career someday.”

Travis Carmichael | Biomedical Engineering
“My dream job is to conduct research on Neurodegenerative diseases such as Alzheimer’s and Parkinson’s. This is my dream job because the disease afflicts many elderly people. I find it imperative that more funding needs to be placed on research facilities to find a cure for these diseases.”

Tyler Bruno
Computer Engineering
“I chose SJSU because it is in the perfect area for computer engineering. The location is paramount for finding a job, internship, and connections. The school has a great computer engineering program. I chose engineering because it is something that I’ve always wanted to do. Being able to make something has been something that I’ve loved doing.”

Yvette Valdez-Carranza | Civil Engineering
“The demand of hazardous construction materials affects the most impoverished communities by causing illness. As an aspiring civil engineer, I hope to change the world by instilling the demand for sustainable and less hazardous construction materials.”

NATIONAL SCIENCE FOUNDATION
ENGINEERING LEADERSHIP PATHWAY SCHOLARS

Tyler Jones | Software Engineering
“I am a returning student who took an extended period of time away from school to gain some life experience before committing to a specific field of study. My time away from school provided a certain degree of clarity that has allowed me to pursue my education with total dedication.”

Fred Barez
Mechanical Engineering

Jacob Tsao
Industrial & Systems Engineering

Laura Sullivan-Green
Civil Engineering

Magdalini Eirinaki
Computer Engineering

Nicole Okamoto
Mechanical Engineering

Richard Chung
Biomedical, Chemical & Materials Engineering

Robert Morelos
Electrical Engineering

Thalia Anagnos
General Engineering

NATIONAL SCIENCE FOUNDATION
ENGINEERING LEADERSHIP PATHWAY FACULTY MENTORS

2015–2016 Scholarship Recognition Luncheon
SCHOLARSHIP AWARDEES

San José State University | Charles W. Davidson College of Engineering

SPECIAL THANKS

AMT-WiE
Applied Materials
California Building Industry Foundation – Lee A. Babbit
Charles W. Davidson Endowment
Ching Family
David A. Brown Endowment
Ditmore Family Endowment
Emma Legg
Harry Wong Endowment
Hickman Family
Jabil

Jane Evans Endowment
KLA-Tencor
Lam Research
Lockheed Martin
Maria and Wim Roelandts
MEP
National Action Council for Minorities in Engineering
National Science Foundation
Parisi Family
SJSU Alumni Association
Walter C. Benzing Endowment
Use one word to describe your experience as an engineering student at SJSU: