



PROUDLY PRESENTS...

EVENING WITH ENGINEERS

Hello and welcome to the Evening with Engineers 2015!

In this document, you will find short bios and pictures of our engineering guests. We hope that you can use this to learn briefly about their backgrounds and find which engineers you'd like to network with tonight! Be sure to ask lots of questions and listen to what they have to say. I've also asked them to bring business cards, so don't be afraid to ask for one and set up a meeting later.

How to use this document:

- click on the major you'd like to view
- or scroll through to see all majors

Majors:

- [Civil Engineering](#)
- [Electrical & Computer Engineering](#)
- [Computer Science & Computer Information Technology](#)
- [Manufacturing Engineering](#)
- [Mechanical & Aerospace](#)
- [Engineering](#)

Some icebreaker questions:

- How is the company culture?
- What's the coolest thing you do at your job?
- What do you like/ not like about your job?
- What do you do in your free time?

Have fun & Good luck!

Best,
Erin Hong
Chair, Evening with Engineers 2015

CIVIL ENGINEERING

Juliana Colwell

Engineer II, Energy Efficient - Southern California Gas Company

She has had work experience at LADWP, MWD, and SCG. Her current position at SCG involves working in the Energy Efficiency and Customer Programs side of the company; therm savings calculations and program development with the end goal of providing rebates for high efficiency products to residential and small commercial customers. Previous positions within SCG have included experiences in large high pressure pipeline maintenance, emergency repair, and operations as both a project manager and project engineer. She has also had limited experience in the storage of natural gas in underground reservoirs and navigating the current political climate surrounding natural gas use in the state of California.



John Fabry

Chief Engineer, Mission Assurance - Aerojet Rocketdyne

John Fabry graduated CSUN in 1996 with a BS degree in Civil Engineering. He has worked at Aerojet Rocketdyne since graduating providing structural analysis support for various rocket engine programs. John was recently promoted to Site Mission Assurance Engineer for major engine programs including RS-68, RS-25, RL-10 and RS-27.



Diane Kulisek

Quality Assurance Leader & Consultant, Founder - MyQACoach.com

ELECTRICAL & COMPUTER ENGINEERING

Michael C. AuYeung

Manager, Applications Development Department - The Aerospace Corporation

Michael has been with Aerospace for 15 years, having worked on everything except actual rocket science. In his current role, he oversees the development of Java business web applications and its support infrastructure for use across the enterprise. He holds a MS and BS in Computer Engineering from the University of Southern California.



Kamesh Balasubramanian

Founder & CEO - Wirecog, LLC

Kamesh is the Founder and CEO of Wirecog, LLC. He is the inventor of Wireframe Cognition, a patented technology that allows machines to autonomously produce simulator-ready source code from wireframe images. Kamesh is a versatile, award-winning engineer with over 19+ years of software engineering experience which includes working on high profile projects for some of the world's biggest brands including ABC, Disney, and ESPN.



Marc Carino

Engineer - Apple

Lives his life close to the metal. Builds robots in his spare time. Some of the code he's written is most likely running on some of your devices. Enjoys music, technology, and everything in between. Formerly at Broadcom, Western Digital, and Survios. Currently at Apple.



Tammy Choy

Chief Engineer, Office of the CIO, Enterprise Information Services - The Aerospace Corporation

Tammy Choy has held a variety of engineering positions at The Aerospace Corporation performing work ranging from optical system and stray light radiation modeling and analysis to generation of realistic 3D computer models for use in visualization and system simulation studies. She has worked on systems engineering, governance, and operation of all facets of information technology (IT) and information security which led to her current position as chief engineer of the corporate IT organization. Tammy holds a BS with honors in Engineering & Applied Science from Caltech, a Federal CIO Certification from Carnegie Mellon, and several information security certifications.



Betty Delk

Head, Advanced Packaging Section - U.S. Navy, Naval Air Systems Command (NAVAIR)

Michael Johnson, Jr.

Manager, Field Engineering - Northrop Grumman

Patrick Leong

Senior Principal Systems Engineer - Medtronic

Patrick received his BS in Electrical and Computer Engineering at UC Davis. His 27 year career has spanned multiple industries, developing multiple microprocessor controlled systems in aerospace (space station electrical power system), defense (turret controls), avionics (cockpit displays), and medical devices (insulin pumps and implantable infusion pumps). He started as a Software Engineer at Rocketdyne and has spent the last 15 years at Medtronic where he is currently a Sr. Principal Systems Engineer. He balances his career and family life with his wife, 4 kids, and a Robo Dwarf hamster.



Adrian Sanchez del Campo

Senior Digital Engineer - Revolt TV

Leonard Schneeman

President - DEX

Aditya Singh

Plant Manager - DEX

Tim Smith

Engineering Manager, Embedded Control Systems - The Aerospace Corporation

Tim Smith has worked at The Aerospace Corporation for 10-years. He currently manages the Embedded System Applications Center where his team designs and builds hardware-in-the-loop simulators to test launch vehicle and spacecraft flight software. Additionally, he is the embedded flight software technical lead for Aerospace's picosatellite program. He holds a BS in Engineering from Harvey Mudd College and a MS in Electrical Engineering from the University of Southern California.



Charlene Ung

Section Manager, Electronics Manufacturing, Packaging and Technical Services - JPL

Charlene earned a Bachelor of Science Degree in Engineering from California State University at Northridge and a Master of Science degree in Engineering and Production Management from Loyola Marymount University. She has over 25 years of experience leading teams that have designed, built and tested key electronic components of aerospace satellites. Besides JPL, Charlene has also worked at Boeing Satellite Systems, Hughes Space & Communications, and Rockwell International. She is the author of "Nam Moi: A Young Girl's Story of Her Family's Escape from Vietnam."



COMPUTER SCIENCE & COMPUTER INFORMATION TECHNOLOGY

Frank Barragan

Founder, Lead Developer - Ad Inicio Digital

Jennifer Cabanayan

Computer Scientist, Naval Air Warfare Center - Weapons Division (NAWCWD) - NAVAIR

Jennifer received her Bachelor of Science in Computer Science at CSUN, minor in Mathematics on May 2014. Currently, she is working at NAVAIR under the Engineer and Scientist Development Program (ESDP) as a Software Engineer. As part of the ESDP program, she had the opportunity to go on rotational assignments and has worked on different projects and groups at the Naval Base in Ventura County. Her project experiences so far include working on an Office of Naval Research (ONR) project; working with the Airborne Electronic Attack (AEA) Mission Planning group; and developing an Android-based application to improve aircraft maintenance operations.

Doris Chaney

Information Security Professor - LAUSD, CSUN

Vivek Chopra

Director, Technology - Beachbody

James Daugherty

Senior Principal Software Engineer - Medtronic

Ismael Gonzalez

Senior Software Engineer, Digital Media Archives - 20th Century Fox

William Huffman

Technologist, Software Engineer, Machine Learning Group - JPL

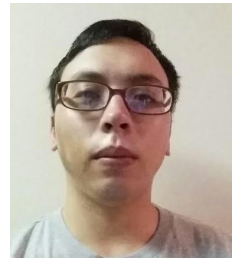
Software Engineer who works on machine learning and autonomous systems.



Ben Kilat

Software Engineer - Symantec

Attended UCLA for Computer Science & Engineering. Began working at Symantec after graduation as a software quality assurance engineer. Currently a software engineer with Symantec working on many different automation systems for the company.



Phyllis Marbach

Software Engineer - Boeing

Zack Schultz

Senior Software Engineer - Velocify, Inc.

Zack has worked in the web application space for 5 years. While his experience is primarily working with the Salesforce application platform, he has also spent time working with various other web frameworks. At Velocify, he works on a sales automation application, acting as the software architect for a small team of developers. Previously, he has worked in professional services as well as at a very small startup.

Larry Stein

Project Manager - Conifer Health Solutions

MANUFACTURING ENGINEERING

Forbes Black

Principal Engineer, Controls Systems - Edisun Heliostats

Since receiving his MS in Manufacturing Engineering from CSUN in 1997, Forbes has worked primarily in the field of green energy. He has developed and tested electric vehicles, EV chargers and various tracking solar control systems. He specializes in designing and prototyping electro-mechanical control systems, using National Instruments LabVIEW as his primary control software. Forbes spent many years working for AeroVironment, Incorporated and has also worked for several startup companies funded by venture capital.



Siv Natarajan

Quality Engineer - Haskel International

Siv Natarajan is a graduate from California State University, Northridge and graduated with a Manufacturing Systems Engineering degree. He currently works as a Quality Engineer for Butech. He is also a member of ASME and SAE and has experience from 4 years of working in the quality and mechanical design field.



MECHANICAL & AEROSPACE ENGINEERING

Victor Aguilar-Ruiz

Systems Engineer - Northrop Grumman

Luis Balderrama

Manufacturing Engineer, Diagnostics Specialist II - Haas Automation

I am currently a Manufacturing Engineer / Diagnostic Specialist II at Haas Automation located in Oxnard, CA. I began working at Baxter BioScience (Now Baxalta) in Thousand Oaks as a Validation Engineer where I wrote and executed validation tests for production machines. I then moved to the position of Reliability Engineer where I was in charge of keeping the maintenance records of all machinery in the filling line. After that I moved to my current job at Haas Automation.



Bob Boyd

Program Manager, Skunk Works - Lockheed Martin

Ray Engelhardt

Mechanical Engineer - Pentair

Ray Engelhardt received his undergraduate degree in Mechanical Engineering from the University of Missouri Science and Technology. Currently he is a graduate student here at CSUN in Materials Engineering. Ray is employed at Pentair Aquatic Systems, a small division of Pentair. This business division manufactures pool equipment, pumps, lights, filters, automation and heaters.

Nick Fabry

Mechanical Design Engineer - Haskel International

Ramona Franklin

System Engineer for Mission Planning Environment on Denmark MH-60R Platform & Naval Mission Planning System IPT Process Lead - U.S. Navy, Naval Air Systems Command (NAVAIR)

Alfie Gil

Embedded Software Engineer - Northrop Grumman

Daniel Guijarro

Tool Engineer - Northrop Grumman

My name is Daniel Guijarro and I am a first generation college graduate with a Bachelor of Science in Mechanical Engineering. I was an Educational Opportunity Program student that was part of the Commuter Bridge Transitional Program in the Summer of 2009. I currently work as a Tool Engineer at Northrop Grumman Corporation for the F-35 Program in Palmdale, Ca.

Robert Hemingway

Development Engineer - Honda Performance Development

I am a development engineer for Honda Performance Development. I focus on the 'top end' of the engine for Indycar and Sportscar programs which includes the cylinder head, valves, camshafts, and ports. I get to validate design and simulation work with rig, bench, and fired engine testing.



Katharine Losoncy

Senior Member of Technical Staff, Vehicle Engineering Office - The Aerospace Corporation

Katharine Losoncy has held positions working with launch vehicles, systems engineering, and Parts, Materials and Processes which has included support to NASA. Before joining Aerospace, she worked for SpaceX and Chevron Corporation. Katharine is a member of the American Society of Mechanical Engineers (ASME) where she is a committee member for the ASME standard for Product Definition Practices for Additive Manufacturing. She holds a BS in Mechanical and Aerospace Engineering from Cornell University.



Oscar Mejia

Aerospace Engineer, Operations - NASA

Currently working on F-15 Flight Test Engineer for supersonic research. Testing current vehicle flight performance to aid in design of new aircraft capable of reduced emissions, noise, and sonic boom intensity. Research will lead efforts to change federal ruling that prohibits commercial supersonic flight over land. LAX to NYC in 2 hours instead of 6 hours.



Peter Onesti

Senior Principal Systems Engineer - Medtronic Diabetes

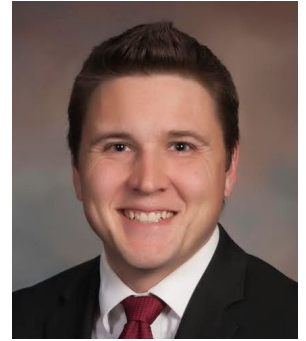
For the past two plus years, I have been serving as a principal systems engineer at Medtronic Diabetes. At Medtronic Diabetes, I am focused on developing design inputs and requirements as well as system and product architecture for new therapy solutions for Type 1 diabetes. Prior to joining Medtronic, I was actively involved in the development of haptics and its application in medical robotics and education. The common thread being the focus on the application of control systems and modeling. Previous to my experience with haptics, I spent a number of years working on hydraulic and electric control system applications for test and simulation systems in the aerospace, automotive and defense industries.



Nate Plater

Aeronautical Engineer, Mass Properties - Lockheed Martin Aeronautics Advanced Development Programs

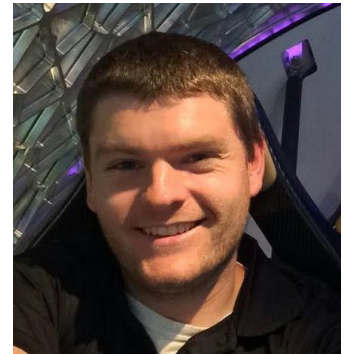
Nate Plater (B.S. A.E., UCLA, 2012) is an Aeronautical Engineer at Lockheed Martin Advanced Development Programs, popularly known as The Skunk Works. Nate specializes in Mass Properties Engineering and is currently assigned to a classified program, and previously has worked on F-35, U-2, C-130 Harvest Hawk, and other classified programs.



David Price

Manufacturing Engineer, Propulsion Production - SpaceX

I have been a propulsion manufacturing engineer with SpaceX for 2 years and before that I was a chassis design engineer with Honda Performance. My first role at SpaceX was as product support for the first and second stage engine production, responsible for defining and stabilizing the production process for one of the engine sub-assemblies, designing tooling, and developing new manufacturing technology. My current role is the process engineer responsible for electron beam and TIG welding of all engine sub-assemblies, including procuring new EB welding equipment, developing production and R&D weld schedules, and advancing SpaceX's automated TIG and EB welding capability.



Emily Quagliariello

Region Associate Engineer - Southern California Gas Company

Emily Quagliariello is a Region Associate Engineer at SoCalGas. She began her career in 2014 as a contractor and was hired to her current position in March 2015. As a Region Associate Engineer, she is responsible for reviewing engineering requests from various departments, analyzing impact to the distribution system, and making sound recommendations. Emily grew up in Niagara Falls, Ontario and received her Bachelor of Science in Mechanical Engineering degree from California State University Northridge in 2014.



Rohan Ramadas

Member of Technical Staff, Launch Vehicle Guidance & Navigation - The Aerospace Corporation

Rohan Ramadas has been with The Aerospace Corporation since 2012, working primarily on launch vehicle guidance and navigation and trajectory analysis. Prior to Aerospace, he worked on nanosatellite projects at the Space Engineering Research Center at USC's Information Sciences Institute. He holds a BS and an MS in Astronautical Engineering from the University of Southern California.



Ed Romero

Senior Test Engineer, Test & Evaluation - US Navy, Naval Air Systems Command (NAVAIR)

Ed Romero began his Government career in 1986 at Point Mugu with the Environmental Test Laboratory performing government lot acceptance testing. He has held numerous positions from test engineer, project engineer, lead experimentation engineer, and supervisor. He has worked in logistics, armament, targets, ranges, and test and evaluation. He has worked with the Broad Area Maritime Surveillance – Demonstrator (BAMS-D) program; as the T&E Director, he completed the Joint Surface Warfare (JSuW), Joint Capability Technology Demonstration (JCTD); and served as the Lead Test Engineer for Black Dart 2012. Currently he serves as the Mission Area Test Engineer, for the Surface Warfare, Integrated Warfighting Capabilities, Enterprise Team.



Joyceanne Sim

Test Engineer - NAVSEA

Began career in astronautics industry at Aerojet Rocketdyne as Engineering Co-op, rotating amongst Procurement, Ground Support, Flight Ops, and Manufacturing. Transitioned into aeronautics as Mechanical Engineer at Kellstrom Defense Aerospace, reverse engineering legacy aircraft parts for US and Foreign Military. Became Lead Engineer for Fuel Systems of foreign defense helicopters. Currently working for the Department of Defense as a Test Engineer supporting fleet of ships and submarines for the US Navy.



Brandon Steel

Aerospace Engineer/ESDP for Supersonic Aerial Targets, Threat/Targets Systems Engineering Department - U.S. Navy, Naval Air Systems Command (NAVAIR)

Nathaniel Torian

Tool Design Engineer - Hawker Pacific Aerospace

Hawker Pacific Aerospace provides overhaul, maintenance, and repair services for aircraft landing gears. The tool design engineer position is responsible for work test instructions, tool design, maintenance, and the evaluation and procurement of tools. At Hawker, custom one-off tools or fixtures are often needed and designed from scratch using reverse engineering. After final assembly, rebuilt landing gears undergo testing procedures such as following spring characteristic curves or proof pressure tests to verify their functionality.



Justin Vargas

Mechanical Engineer - Barry Wehmiller Design Group

Mechanical Design Engineer at a facilities practice design firm. We specialize in food and beverage manufacture facilities throughout north America. Designing HVAC, Plumbing and Utility Piping Systems



Sam Yaggy

Mechanical Design Engineer, Thrusters & Propulsion Systems - Aerojet Rocketdyne

Sam graduated with his BA in economics at CSUN in 2003. After working in finance and investments for two years, he changed careers and studied mechanical engineering. Sam spent a year abroad studying, then returned to CSUN where he worked on the Formula SAE project and graduated with a MS in 2008. Since then, he has been specializing in the design of short duration satellites and rocket engines at Aerojet Rocketdyne.

