



PROGRAM

OCTOBER 7, 2014 — 1:30 PM - 3:00 PM
HOTEL IRVINE — TRABUCO ROOM

1:30 PM	DOORS OPEN/ NETWORKING
1:40 PM	WELCOME Carla Vargas, Orange County United Way
1:45 PM	HOW STEM EDUCATION IMPACTS MY LIFE Julian Rodriguez, 10 th Grade, Magnolia High School
1:55 PM	THE INCREASING IMPORTANCE OF GROWING STEM IN THE ORANGE COUNTY ECONOMY Wallace Walrod, Orange County Business Council
2:05 PM	PRIMING THE PUMP: CULTIVATING PATHWAYS TO DEVELOP ORANGE COUNTY'S FUTURE STEM WORKFORCE Moderator: Matthew Jenusaitis, OCTANe Mary-Ellen Blair, Kaiser Permanente Cynthia Lenahan, Edwards Lifesciences Jolie McLane, A Hundred Tiny Hands Jeff Hittenberger, Orange County Department of Education Dean Gregory Washington, UCI Henry Samueli School of Engineering
2:45 PM	TAKING ACTION: WHAT CAN YOUR BUSINESS DO TO HELP BUILD CRITICAL PATHWAYS FOR ORANGE COUNTY STUDENTS? Linda Christopher, Orange County STEM Initiative
3:00 PM	ADJOURNMENT

OC STEM MEMBERS:

- The Allergan Foundation
- The Boeing Company
- Broadcom Foundation
- Children and Families Commission of Orange County
- Cotsen Foundation for the ART of TEACHING
- Edwards Lifesciences Fund
- JP Morgan Chase Bank
- Kaiser Permanente
- Kay Family Foundation
- OCTANe
- Orange County Department of Education
- Orange County United Way
- Samueli Foundation
- Tiger Woods Learning Foundation/Center
- Time Warner Cable

SPEAKERS

MARY-ELLEN BLAIR is the Area Recruitment Manager at Kaiser Permanente, Orange County, has more than 30 years-experience in Human Resources. Kaiser Permanente is recognized as one of America's leading health care providers and not-for-profit health plans, currently serving approximately 9.3 million members in eight states and the District of Columbia. In Orange County, Kaiser Permanente serves more than 480,000 members through a network of approximately 7,000 employees and 860 physicians. Mary Ellen oversees the recruitment and selection of new employees for Kaiser Permanente, Orange County. Mary Ellen is a member of the Orange County Business Council's Workforce Development Committee and the Anaheim Workforce Investment Board. Mary Ellen holds a Bachelor's degree in Health Care Management and a Master's degree in Organizational Leadership from Chapman University

JEFF HITTEBERGER, Ph.D. serves as Chief Academic Officer (CAO) at the Orange County Department of Education (OCDE). Dr. Hittenberger has been an educator for 30 years. He holds a Ph.D. in educational policy, planning, and administration from the University of Southern California. He has taught elementary school, high school English and History, and was a university faculty member teaching education courses and ultimately serving as Dean of the School of Education. Dr. Hittenberger has done research and training globally, serving on United States Agency for International Development funded projects in Cameroon and Mali, and working on research projects in South Africa, Israel, and Haiti. He was also a Rotary Ambassadorial Scholar for a year in Morocco. He was a co-founder of the Global Business Academy at Valley High School in Santa Ana, and currently serves on the California Partnership Academies state advisory council.

CYNTHIA LENAHAN is the Director of Technical Training for Global Organizational Effectiveness and Learning and Development for Edwards Lifesciences. She brings fifteen years of international business experience as a Human Resource training professional with expertise in organizational development, competency-based training, performance consulting, instructional design, and Quality Assurance. Prior to Edwards, she has held positions with WedMD Health Services, GE Healthcare Worldwide, W. L. Gore Medical Products, and Xanodyne Pharmaceuticals and has been responsible for leading several global initiatives and training programs. Cynthia also serves on the Advisory Board for the American Management Association and Certified Medical Representatives, APICS, and is a regular speaker at Medical Device Conferences.

JOLIE MCLANE is a biomedical engineering PhD student developing point-of-care diagnostics using superhydrophobic surfaces in Dr. Michelle Khine's nanotechnology lab at University of California, Irvine. Jolie volunteers in multiple outreach programs teaching STEM to middle and high school students and has been involved in STEM education for almost 10 years. Over the last year and a half, Jolie has been integrating her knowledge of cutting-edge research technology with STEM education to develop educational toys that inspire children of all ages to learn STEM through interactive, experiential learning through her company "A Hundred Tiny Hands."

JULIAN RODRIGUEZ grew up in Anaheim, California and is currently a sophomore at Magnolia High School. Julian is heavily involved in extracurricular activities because he is very passionate about his school campus. During his freshmen year, he was Associated Student Body (ASB) Class President; Event Coordinator for the Science Technology Engineering and Mathematics (STEM) Club; as well as Event Coordinator for Puente Cabinet and School Site Council. Additionally, he is a member of Friday Night Live (FNL), a program that targets youth in the prevention of using drugs and alcohol. Julian has been actively involved in the California State, Fullerton, GEAR UP program. He is a GEAR UP Leader. As such, he participated in the Partnership for 21st Century Learning (P21) Sustainability Showcase and created a TED Talk presentation, as well as two GEAR UP Saturday Academies and the Summer Academy. As a sophomore, Julian is still involved in the aforementioned items and is now the Sophomore Class Vice President for ASB. Furthermore, he added some additional activities such as Treasurer and Fundraising Chair for FNL; Vice President for STEM Club; member of the Polynesian Club, National Honor Society (NHS), and California Scholastic Foundation (CSF). He intends to participate in the P21 Sustainability Showcase again in May. Julian says his accomplishments continue to push him further to reach higher goals. Some of his short-term goals include obtaining a 4.0 grade point average and planning activities for Magnolia High School. His long-term goals include attaining the Seal of Bilingualism on his high school diploma and to be accepted into NYU or Soka University, where Julian aspires to acquire a degree in Biology with a minor in History, or possibly a double major with a teaching credential.

WALLACE WALROD, Ph.D. has been in charge of research at the Orange County Business Council for the last 17 years, leading strategic projects for organizations such as Toshiba America Information Systems, Hitachi Chemical, Merrill Lynch, The Irvine Company, First American Corporation, Citizens Business Bank, Bank of America, Wexford Capital, the Orange County Community Foundation, and the James Irvine Foundation. Dr. Walrod is also the Founding President of the Center for a New California, which plays a key role in shaping the state's economic future by focusing on Workforce Development, Economic Development, Infrastructure, and emerging trends in Corporate Social Responsibility. His work includes designing innovative program, strategy, and policy solutions for private industry, government, and private foundations, including the *Orange County Community Indicators*, *Workforce Assessment Indicators*, *Orange County Comprehensive Economic Development Strategy (CEDS)*, the first ever *Sustainable Communities Strategy* addressing climate change issues at the local and regional levels, *Workforce Housing Scorecard*, *Workforce Housing Toolkit*, and *Public Officials 101*. Additionally, he is a lead economic advisor to the Southern California Association of Governments economic strategy initiative and directs research and policy for Fueling California, a coalition of major California fuel consumers. Dr. Walrod graduated with a Ph.D. in Regional Economics from UC Irvine.

GREGORY WASHINGTON, Ph.D. came to lead The Henry Samueli School of Engineering as Dean in August 2011 from The Ohio State University where he had begun as a faculty member in 1995, became the associate dean for research in 2005, and then was appointed interim dean in 2008 and provided visionary leadership for one of the nation's largest and highest ranked engineering programs. In the last 20 years, Washington has also been involved in multidomain research in the core area of dynamic systems for a host of organizations including the National Science Foundation (NSF), NASA, General Motors Company, the Air Force Research Laboratory and the U.S. Army Research Office; and has served as a member of the U.S. Air Force Scientific Advisory Board, NSF Engineering Advisory Committee, Institute for Defense Analyses and numerous other boards. Washington accumulated a long list of research and teaching awards from OSU, including the Alumni Award for Distinguished Teaching, the Harrison Faculty Award for Excellence in Engineering Education and the Lumley Research Award. He also is the recipient of the NSF Faculty Early Career Development (CAREER) Award. He holds bachelor's, master's and doctoral degrees in mechanical engineering from North Carolina State University.