

NATALIE ALVAREZ Turner Construction



City of El Cajon



TARA AZAMIAN Northrop Grumman



Coffman Engineers, Inc.



GABRIELA BERNALDINO U.S Army Corps





Sundt Construction, Inc.



JENNIFER CHEUNG





AMANDA COMBS Dudek

SARAH CURRAN RHODA CUTCHON Psomas Northrop Grumman



ODESMA DALRYMPLE, PH.D USD SMSE

PERLA GOCO Port of San Diego



Turner

Construction

MARIANNE GOLDSBOROUGH Burns & McDonnell

PAM HERMOSILLO Sundt Construction, Inc.



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KATHY HERRING HAYASHI IEEE Board of Directors Qualcomm, Inc.





Women of Influence in Engineering 2021 **Honorees**



SANDY HOUCK

KELLY HON Becton Dickinson

CALINA FERRARO

Integral Group

Stok



TIFFANY HUNT Booz Allen Hamilton





CARMEN KASNER





Construction





GLUMAC

Port of San Diego



DANIELLE NORRIS Hologic



AVIVV



Balfour Beatty

KATHERINE PARTAIN General Atomics



PRITI PHARKYA, PH.D Genomatica



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MELISSA STAYNER, PG, CEG Geologist NOVA

DANA THIBODEAU Northrop Grumman



MICHELLE VARGAS Illumina Inc.



ALISA VIALPANDO Hunsaker and **Associates San** Diego, Inc.



KIMBERLY WENDER, PE Psomas



ANNDRIA WRIGHT AVIVV



MEHRNOUSH YAVARY, PE

Atlas Technical

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COLLEEN ZAGAR Turner Construction





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SWE Research **Fast Facts** 1 research.swe.org Intentions to Major in Engineering, Math/Stats, or Computer Science 2009 2019 Over the last ten years, interest in majoring in engineering and computer science has increased, but women's intentions to pursue these majors in college continues to lag behind men's intentions. 4.4% 21.7% 26.7% 7.1% **Degrees Awarded in Engineering and Computer Science** Increase in bachelor's **Total Degrees Awarded** 43% Bachelor's degrees degrees awarded in awarded to women 2013 153,958 engineering and of color in 2018. computer science. 2018 220,281 Increase in bachelor's degrees awarded to **65%** women in engineering and computer science. 0 50,000 100,000 150,000 200,000 250,000 Degrees Awarded to Women Bachelor's degrees 2013 27,439 21% awarded to women in 2018. 2018 45,406 0 10,000 20,000 30,000 40,000 50,000 Top 10 Engineering Degrees Awarded to Women: 2017-18 **Environmental Engineering** Industrial/Manufacturing/ Mechanical Engineering **Biomedical Engineering** Systems Engineering Metallurgical & Chemical Engineering **Civil Engineering Electrical Engineering** Materials Engineering **Computer Science Computer Engineering** Women in the Engineering Workforce SOURCES National Science Board. Science and Engineering Indicators 2020 Higher Education Research Institute, University of California, Los WOMEN LEAVING ENGINEERING/STEM Angeles. (2019). The American Freshman: National Norms, Fall 2019 of engineers are women (expanded version). Corbett, C., & Hill, C. (2015). Solving the Equation: The Variables for OVER ONLY Women's Success in Engineering and Computing. Washington, DC: 30% American Association of University Women. ONLY 30% Fouad, N. A., Singh, R., Fitzpatrick, M. E., & Liu, J. P. (2012). Stemming the tide: Why women leave engineering. University of Wisconsin, 26% are women of women Milwaukee. who have left U.S. Department of Education, Institute of Education Sciences, switch out of the National Center for Education Statistics, Digest of Education Statistics of tenured/tenure-track bachelor's ONLY STEM 2019, Tables 325.35 and 325.45. engineering degrees in Roy, J. (2019). Engineering by the numbers. American Society for degree 17% profession engineering are women Engineering Education. programs in cite Bureau of Labor Statistics. Labor Force Statistics from the Current college. organizational Population Survey, 2019. https://www.bls.gov/cps/cpsaat11.htm. for every \$1 working in Female 2016 American community survey (5-yr estimates): Tables B24122 climate as the engineering male engineers engineers 90¢ and B24123. reason. earn earn.



NATALIE ALVAREZ Engineer Turner Construction Company

N atalie Alvarez is an engineer with Turner Construction who currently works as a project manager for Turner's Special Projects Division. Since beginning her career in 2014 she has held a variety of roles in construction management across Turner's California offices, most recently senior cost analyst for all projects in San Diego County.

Alvarez founded the first Young Professionals Group in the San Diego office of Turner Construction. Under her leadership, the group hosts on average eight unique events each year, engaging over 75% of Turner's staff. Alvarez is actively involved in Turner's Diversity, Equity and Inclusion initiatives, leading staff through courageous conversations and study action teams focused on racial justice. She leads diversity college recruitment efforts and is passionate about exposing underrepresented students to the industry. Alvarez holds a bachelor's degree in civil (architectural) engineering and a master's degree in green technologies, both from the University of Southern California. She can be reached at nalvarez@tco.com.



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YAZMIN ARELLANO Director of Public Works City of El Cajon

Azmin Arellano oversees the Public Works Department for the city of El Cajon. In her role as director, Arellano manages the two primary divisions of the department, engineering and operations. Her extensive experience overseeing all phases of work is invaluable to the city. She excels in strategic leadership, having built and led effective cross-functional teams. Her bold initiatives drive change and influence positive project outcomes. Arellano is a talented leader and a mentor who helps individuals throughout the department grow.

Arellano received her B.S. in civil engineering from California Polytechnic State University, San Luis Obispo and her M.S./MBA in industrial administration from CETYS Universidad, Instituto del Noroeste in 2000. She is licensed in California to practice civil engineering and surveying. After more than 16 years as the public works director for the city of Brawley, Arellano came to El Cajon as a deputy director/city engineer. She was promoted to director four years later in 2020.



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DONNA AUGUSTE Founder and CEO Auguste Research Group, LLC

Donna Auguste has been working with sensors, artificial intelligence and machine learning for many years, including early work in commercial AI systems in the 1980's. In 2018, she founded Auguste Research Group in Oceanside with two objectives. One objective is focused on sensors and actionable data science. Her current sensor research involves predictive analytics and also novel approaches to robot payload transport. The other objective is to advocate for STEM diversity by introducing STEM and data science concepts in diverse communities with culturally-responsive hands-on topics.

Earlier in her career, Auguste co-founded a startup company, Freshwater Software, that provided tools for systems administrators to use in managing business-critical web servers. The team at Freshwater grew from 5 to over 60 people and eventually the company was acquired in 2001 for \$147M.Auguste uses those same leadership skills from her experience as she works with Black and Latinx youth who are interested in data science. She can be reached at donna@augusteresearch-group.com.





TARA AZAMIAN Principal Systems Engineer Northrop Grumman

ara Azamian is a principal systems engineer at Northrop Grumman, where she has worked since 2014. She initially worked on the F-35 assembly line in Palmdale as a mechanical engineer. She then supported international production of the F-35 in Ankara, Turkey. While overseas, she obtained a master's degree in systems engineering through UCLA's online program.

Azamian joined the systems engineering directorate at Northrop Grumman's Rancho Bernardo site in June 2019, quickly taking on the challenging role as integrated functional capability (IFC) lead for the Global Hawk Ground Segment Modernization Program (GSMP). There she moved the program along to its first certification and flight test. She recently transitioned to a new role leading a team of seven engineers through systems integration phases of the program.

Azamian graduated from Cornell University in 2014. She is a member of Northrop Grumman Women's International Network, which works to inspire women to lead, succeed and excel both personally and professionally.



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LUVELYN BENITEZ Senior Discipline Engineer, Structural Engineering Coffman Engineers, Inc.

uvelyn Benitez is a 15-year veteran at Coffman Engineers with more than two decades of structural engineering experience. Specializing in the life-science market, she has extensive experience in new building design and structural evaluations of existing buildings and seismic retrofits.

Benitezhas established herself as a go-to resource for architects and contractors alike. DPR Project Executive Adonia Akers supports that:"With a passion for building, Luvelyn evaluates project challenges collaboratively with the entire team to find solutions that are constructible, effective and efficient. She is responsive and respectful with all her interactions and attacks each project with resilience and fortitude."

In addition to her jobs of being a mom and engineer, Benitez is active in the AEC community. She has served on the SEAOSD board of directors and is involved in other committees. She is instrumental in professional mentoring, training young engineers on structural design and best practices for client support. She can be reached at (619) 321-0787 orluvelyn.benitez@coffman.com.





GABRIELA BERNALDINO Civil Engineer U.S Army Corps of Engineers

G abriela Bernaldino is a proud, Mexican woman in engineering who earned her degree from UCSD as a first-generation college student and her M.S. in Civil Engineering at SDSU. She currently works as a Civil Engineer with the U.S Army Corps of Engineers where she leads and participates in dam and levee safety inspections. In Feb. 2020, Bernaldino was invited to Kentucky to work with the nations' top structural engineers to develop and enhance her structural technical skills in risk assessments for dam structures.

She worked on Keystones Dam spillway and stilling basin slab analysis where she evaluated the data output from a computational fluid dynamic model to determine the sensitivity of water pressures during high releases. Bernaldino strives to become a better engineer by studying for her last exam (Survey) to obtain her PE. She serves as a mentor and one of her future goals is to one day teach an engineering course at a community college. She can be reached at (562) 413-0596 or Gabbsbernald823@gmail.com.





JESSICA BEYER Project Controls Manager Sundt Construction, Inc.

essica Beyer has been in the construction industry for over 12 years and joined Sundt Construction, Inc. in 2010. Prior to her current role as Project Controls Manager, she served as an Administrative Assistant, Certified Payroll Specialist, Project Administrator and Estimator. She previously worked at Soltek Pacific. Beyerhas been an instrumental part of many projects throughout the state working on projects like San Diego City College Math and Social Sciences,-Cal Poly San Luis Obispo Recreation Center Expansionand Orange Coast College Mathematics, Business & Computing Center just to name a few.

She was recently promoted to Project Controls Manager for her in depth knowledge of Sundt's business processes and unyielding desire to streamline and advance our operations. Beyer holds a Bachelor of Science Degree in Business Administration from Grand Canyon University and she is the mother to two young girls. She can be reached at (619) 323-4701 or jrbeyer@sundt.com.



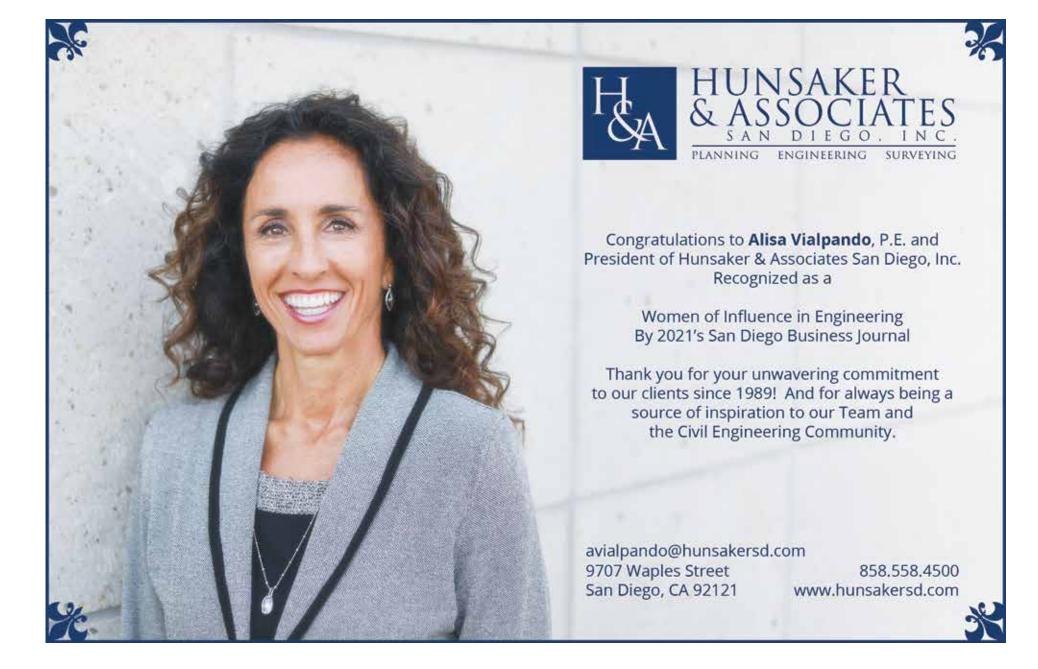


ELIZABETH CALIVA Project Manager Dudek

Lizabeth Caliva is a project manager at Dudek with 17 years of experience specializing in water, wastewater, and recycled water planning projects. She has specific expertise in hydraulic modeling and is proficient in several modeling software packages. As a project manager, she has been integral in leading and managing the large-scale infrastructure planning and condition assessment efforts, master planning to develop capital improvement plans and development driven model analysis.

Notably, Caliva served as lead modeler responsible for the development and analysis of the hydraulic model for the design of recycled water system in North San Diego County. The hydraulic model development and analysis included facilities layout, pressure zone delineation, facilities sizing, demand assessmentand alternative evaluations. The first phase of the \$72M recycled water project is currently in construction. Caliva is a California professional engineer and holds a Master's degree from University of California, Berkeley in Water Resources and Water Quality Engineering. She can be reached at (760) 479-4114 or eclaiva@dudek.com.





Congratulations on being selected among San Diego's Most Influential Women in Engineering!









Kate Palmer, PE

Amanda Combs, PE

Nicole Rieger, PE, QSD Eliz

Elizabeth Caliva, PE

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LARA CEIGERKANSKY Project Engineer Turner Construction Company

ara Ceigerkansky has more than 20 years of construction experience, and has worked in engineering with Turner Construction for the last 15 years. She has worked on notable projects in the Los Angeles, Denver and San Diego markets as an electrical engineer, project manager and preconstruction lead. In 2020, Ceigerkansky transitioned to the Campus at Horton redevelopment project in downtown San Diego. She is currently the lead structural engineer (steel, concrete and masonry) and has assisted with procurement while working in operations. The project includes an existing five-story steel structure that will eventually become 11 stories.

Ceigerkansky has a passion for mentoring others in the construction industry. Inside of this commitment, she leads educational sessions in Turner Construction's ACE Mentoring program. She also enjoys volunteering.Ceigerkansky holds a bachelor of science in electrical engineering from Cal Poly San Luis Obispo.She is a registered Professional Engineer and is currently pursuing her DBIA accreditation. She can be reached at leeigerkansky@tcco.com.





JENNIFER CHEUNG Cybersecurity Research Scientist NIWC Pacific

I ennifer Cheung began her career as a mathematician and was awarded a Fulbright grant to study Quantum Cryptography in Denmark during the 2011-2012 academic year. She is passionate about STEM education among K-12 students and has volunteered to coach kids for Elementary Science Field Day, Science Olympiad and robotic (Botball) competitions. Cheung has been involved with the Lean In movement, started by Sheryl Sandberg and has been a circle leader of the San Diego Women In Tech circle for almost three years, whereshe helps raise awareness of gender inequality, encourages women to speak upand provides a safe space for women to be unapologetically ambitious

She joined the Women In Cybersecurity (Wi-CyS) professional organization in2019 and officially founded the local San Diego Affiliate in Aug 2020. Her involvement with the San Diego County Engineering Council gives her an opportunity to promote cybersecurity as an engineering field among other engineering principles. She can be reached at jmcheung@fulbrightmail.org.





RUISHAN CHOW Regional Director for Employer Engagement, Advanced Manufacturing San Diego &

Imperial Counties Community Colleges

S ince joining California Community Colleges in 2019, Ruishan Chow's goal has been to fulfill manufacturing workforce needs. She works with educators and industry experts to develop industry-aligned curriculum, and attract and grow tomorrow's manufacturing workforce. Chow is passionate in promoting and supporting women in STEM by inspiring and being a role model for young women pursuing such fields.

Chow was born and raised in Singapore. She earned her bachelor's degree in chemical engineering at the University of Waterloo, Canada. Her expertise includes lean manufacturing, process optimization and controls, project management, leadership, coaching and training. Her industrial experiences began in school through internships. After graduation, she participated inthe graduate rotation program at Johnson Matthey,sampling work in various business units, and spent a year at Beckman Coulter Life Sciences (now SCIEX). She is the 2021 chair of the Society of Manufacturing Engineers San Diego Chapter. She can be reached at (856) 857-4040 orrchow@palomar.edu.





AMANDA COMBS Project Manager Dudek

A s a civil engineer and project manager at Dudek, Amanda Combs has led high-quality water and wastewater projects, from design to construction-phase services for pipelines, pump stations, water storage and treatment plants. She has a substantial background in technical planning and rehabilitation design of water reservoirs and pump stations. As project manager, Combs stays heavily involved throughout the design process, ensuring successful delivery for clients.

Notably, she was the lead engineer for the planning of a recycled water system expansion which included the development of distribution system layouts for five reservoirs, seven pump stations and 35 miles of new pipelines. In addition, she is currently managing design rehabilitation services for 10 water storage reservoirs in San Diego.Combs holds a Master's degree in Environmental Engineering from Virginia Polytechnic Institute and State University.When she is not working, she enjoys spending time with her family and watching her two sons race motocross. She can be reached at (760) 479-4174 or acombs@dudek.com.



Congratulations

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SARAH CURRAN Team Leader/Senior Project Manager Psomas

S arah Curran is a registered civil engineer with nearly 20 years of experience. Her past five years at Psomas' San Diego officehave provided the company with additional expertise in the site development and education markets.

As team leader, she oversees Psomas' San Diego engineering site development and public works projects. Her background, ranging from master planning to final project design and construction support, leads to creative, feasible and sustainable civil engineering designs from concept to implementation. Curran's passion for creative solutions to stormwater management is central to her involvement in all civil engineering design projects.

Curran strongly believes in supporting current and future careers in civil engineering and actively supports staff growth as leaders. She volunteers as an architecture, construction and engineering (ACE) mentor and serves on several internal committees at Psomas.

She graduated cum laude from the University of Vermont with a bachelor's degree in civil engineering.





RHODA CUTCHON Senior Principal Engineer, System Test Engineer Northrop Grumman

R hoda Cutchon started her engineering career at Northrop Grumman in 2014, working as a logistics engineer, eventually transitioning to hands-on work in component and system testing. From there, she moved on to become a system test lead for various projects with an unmanned air vehicle (UAV) in 2015. In 2020, Cutchon took an assignment as the Northrop Grumman Lead for ground testing a modern ground station for UAVs, followed by the first flight for the Global Hawk Ground Station Modernization Program at Edwards Air Force Base. Cutchon's significant contributions to the program helped lead to a successful outcome.

Cutchon is actively involved in industry organizations including Society of Women Engineers (SWE). She also judges California State University San Marcos'hackathons for high school students, and volunteers during Northrop Grumman's E-week, which celebrates and promotes engineering with kids, educators and parents. Cutchon holds a bachelor of science degree in electrical engineering from California State University Northridge.

NORTHROP GRUMMAN



ODESMA DALRYMPLE, PH.D Associate Professor of Industrial and Systems Engineering University of San Diego Shiley-Marcos School of Engineering

O riginally from Trinidad and Tobago, USD Associate Professor of Industrial and Systems Engineering Odesma Dalrymple, Ph.D. is a proponent of education equity as a way to ensure sociallyjust growth and development. Dalrymple's work as an engineering education scholar focuses on transforming engineering education and its public image, making it more inclusive, justice-oriented and socially connected. Her research identifies, develops and evaluates tools, techniques and pathways that can facilitate deep learning and sustained interest in engineering and other STEAM (science, technology, engineering, arts and math) fields, particularly for historically underrepresented populations in the United States.

Dalrymple is faculty lead of the Engineering Exchange for Social Justice (http://bit.do/ExSJ) at USD's Shiley-Marcos School of Engineering (SMSE). She has co-developed and co-maintained three STEAM education outreach programs serving underrepresented youth and communities: STEAM TEAM Academy, the STEAM Youth and Community Conference and STEAM Labs. She serves on the SMSE Diversity, Equity and Inclusion committee and is partnered with many community organizations.





CALINA FERRARO Principal Integral Group

Galina Ferraro brings over a decade of sustainable engineering experience in three countries and two continents to the global Integral Group team. With both building science and design engineering experience, she interacts with a broad spectrum of building professionals. As the leader of the Integral Group San Diego design studio, she demonstrates her commitment to a sustainable future both personally and professionally.

Ferraro was a recipient of Consulting-Specifying Engineer Magazine's 40 Under 40 award in 2015 and Plumbing & Mechanical Engineer Magazine's Mechanical Engineer of the Year award in 2018. She is a registered professional engineer, a LEED Accredited Professional, a WELL Accredited Professional and a certified DBIA Associate. She currently sits on the board of the San Diego Green Building Council and the local ASHRAE Chapter and is an active member of CREW San Diego. Additionally, she is a frequent public speaker and also served for two years as an ACE Mentor.





Melissa Stayner, PG, CEG Senior Engineering Geologist

4373 Viewridge Avenue, Suite B, San Diego, CA 92123 858.292.7575

944 Calle Amanecer, Suite F, San Clemente, CA 92673 949.388.7710



Geotechnical Engineering, Special Inspection, and Materials Testing DVBE | SBE | SDVOSB

Congratulations Melissa Stayner

for being recognized as a Women of Influence in Engineering. NOVA is proud to have you on our team, and we thank you for all your hard work.

CELEBRATING WOMEN IN ENGINEERING



PERLA GOCO Capital Project Manager Port of San Diego

Perla Goco is a capital project manager in the Port of San Diego's engineering/construction department. She has more than 31 years of experience in the engineering field, 21 of those at the port.

She has managed and designed more than 50 capital and major maintenance projects around San Diego Bay. These include the LED retrofitting projects on all streets and public parks within the port's jurisdiction. She managed the design and construction of the photovoltaic installation at the B Street Pier Cruise Ship Terminal, which received an Honor Award from the American Public Works Association, as well as the photovoltaic installation at the port's General Services Building. She also managed the Kellogg Beach Sand Replenishment Project.

Goco's knowledge and impeccable work ethic are well respected and make her a valuable resource to members of the engineering/construction team. She is always willing to share her expertise and take on new and unexpected projects.





MARIANNE GOLDSBOROUGH Burns & McDonnell San Diego Branch Office Manager Burns & McDonnell

Marianne Goldsborough was recently promoted to lead the San Diego team at Burns & McDonnell, a 100% employee-owned engineering, architecture and construction firm. In this role, she oversees overall office success, sales and business plan development. She plays a key role in attracting and retaining talent. This is her second promotion since joining the firm in 2019.

She has more than three decades of experience where she has managed more than 100 projects, specializing in the electrical utility sector and providing innovative engineering, design and construction solutions.

Goldsborough has a notable ability to lead multidisciplinary teams to success, executing engineering-procurement-construction (EPC) projects. She is a natural leader who inspires those around her, which is evident in her team's growth, responsiveness and talent.

She earned a bachelor's degree in electrical engineering, and an MBA, from the University of Manitoba. She enjoys her time with her husband, Greg, and their two sons, Justin and Ryan.





PAM HERMOSILLO Preconstruction Project Manager Sundt Construction, Inc.

am Hermosillo has been with Sundt Construction for nearly 24 years. She has worked her way up through the ranks, taking roles such asproject engineer, estimator, project manager and now preconstruction project manager. She is known throughout the company as one of the most knowledgeable employee owners when it comes to process and procedure. She has worked for clients throughout the state and has become the trusted adviser for many due to her deep knowledge of the construction process and her application of Lean principles. Her involvement during the preconstruction process has set up many projects for success; these include projects at UC Santa Barbara, Golden West College and the San Diego Unified School District.

Hermosillo holds a bachelor of science in construction management from Cal Poly San Luis Obispo. She is a certified Design-Build professional, a LEED accredited professional and is a Certified Professional Constructor from the American Institute of Constructors. She can be reached at(619) 572-5811 or pjhermosil@sundt.com.





KATHY HERRING HAYASHI Director / Senior Staff Engineer IEEE / Qualcomm, Inc

Athy Herring Hayashi has been involved in the semiconductor industry her entire career developing, deploying and analyzing advanced software tools used to create computer and mobile phone chips. Her early experience includes jobs at Unisys Corp., Cadence Design Systems and Syntricity. Over the years, Hayashi has held a variety of leadership roles in technical development, applications engineering and information technology. She currently works at Qualcomm Inc., working with semiconductor workflows in large scale compute environments.

She is the Institute of Electrical and Electronic Engineers (IEEE) Director-Elect of Region 6 (Western Region of the United States) and a member of the IEEE Board of Directors. She is a senior member of IEEE and IEEE-HKN (IEEE Honor Society). Her many awards include the 2018 Athena Pinnacle Award - Individual in Technology. Throughout her career, Hayashi continues to inspire and support those whose passion leads them to a career in technology.





San Diego



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-Kelly Hon, President





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INGRID HOCH Engineer **Turner Construction Company**

ngrid Hoch has been an engineer with Turner Construction for 17 years, serving as a project engineer, cost engineer, senior project manager and sustainability manager. She now works in procurement.Her experience includes work on the San Diego International Airport Terminal 2 Greenbuild and the Cross Border Xpress Expansion project.

At the San Diego office, Hoch is the founder of Turner Construction's Professional Women's Group, which works to elevate women in engineering and construction through professional development and events. Hoch volunteered for the U.S. Green Building Council's Greenbuild 2020 Legacy Project. She is involved in numerous industry organizations and spoke on an industry panel for the Women's Construction Coalitionin honor of International Women's Day. Hoch volunteers with Homes of Hope, is the mother of two, and is an elder at her local church. Hoch holds a bachelor's degree in civil engineering and a master's degree in engineering management, both from Cornell University. She can be reached at ihoch@tcco.com.





KELLY HON Associate Staff Engineer **Becton Dickinson**

elly Hon is a product lead designer at Becton Dickinson (BD), a global medical technol-Nogy company. She has dedicated her career to helping companies deliver innovative solutions and advocating for women in engineering.

Full of energy with a strong work ethic and creative problem-solving skills, Hon is recognized as a dynamic leader who partners effectively to achieve excellence. Her background in mechanical engineering with an international focus from the Georgia Institute of Technology informs her approach. She began her career at an Atlanta-based design and consulting firm.At BD she works on introducing new infusion intravenous therapy sets globally while managing a team of laboratory technicians.

As the local president for the Society of Women Engineers (SWE) and STEM lead for the Women's Initiative Network at BD, Hon continuously drives positive change in her community. She is passionate about advancing women in STEM through mentoring and advocating for women





SANDY HOUCK Director of Engineering Stok

everaging more than 20 years' experience and demonstrated leadership in guiding teams to achieve Zero Net Energy, Sandy Houck plays a major role in creating radically better buildings that prioritize human health and wellness while mitigating critical climate change impacts. As project manager with stok, Houck works in harmony with owners and project occupier teams to support client aesthetic and energy goals, informing on building envelope and interior layouts to optimize daylight performance and provide access to daylight, views and comfortable working spaces for occupants.

She specializes in providing resource efficiencies via lighting/daylighting design, measurement andverification planning, and monitoring-based commissioning services. Houck uses a holistic, data-driven approach that integrates financial performance with real estate solutions, performance engineering and sustainability consulting to provide her clients with strategies for a competitive business advantage. Her work includes the Alpine Branch Library as well as San Diego County's East County Office & Archives. She can be reached at (619) 531-1126 or sandy@stok.com.

stōk 🛯



TIFFANY HUNT Senior Lead Technologist Booz Allen Hamilton

iffany Hunt is a Senior Lead Technologist at Booz Allen Hamilton. She has over 15 years of technical experience, working closely with clients to facilitate the successful adoption and implementation of Agile practices and delivery methods.

Hunt joined Booz Allen in 2001, working on business intelligence and mission software for a large federal agency. Recognizing the need for faster, more flexible forms of software delivery, Hunt introduced Agile methods and ultimately led the program and technical teams through an Agile Transformation.

Since 2018, Hunt has supported U.S. Navy clients as an Agile Coach. She serves as the Lead Agile Coach for a large-scale modernization effort, where she supports all aspects of Agile delivery strategy from project inception.Hunt is a certified ICAgile and Scaled Agile Frameworkinstructor and has taught Agile courses for Booz Allen and the U.S. Navy.She also leads Booz Allen's San Diego Agile Community of Practice.

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On behalf of the entire team at Turner Construction Company,

Congratulations Natalie, Lara, Ingrid and **Colleen!**











Congratulations to all of the Women of Influence in Engineering! Your leadership, commitment and vision inspire and elevate all women in the industry.





JAYNE JANDA-TIMBA Principal Rick Engineering Company

ayne Janda-Timba is a registered civil engineer in California and a principal in Rick Engineering Company's Water Resources Division. She is a leader in regional flood control protection and safeguarding our region's water resources. At Rick, she is primarily responsible for managing the preparation of hydrologic and hydraulic analyses, FEMA studies, design of Best Management Practices (BMPs) to meet water quality objectives for both the Construction General Permit and the Municipal Permits, including Storm Water Quality Management Plans (SWQMPs).

Janda-Timba started as an assistant water resources designer at Rick Engineering Company in May 1990 after receiving her B.S. in Civil Engineering from SDSU. She is an expert in storm water regulations and has developed guidelines relating to BMP design and Watershed Management for the San Diego region. She is the chairperson for the City of San Diego's Wetland Advisory Board and president of the American Public Works Association (APWA) San Diego and Imperial Counties chapter.





CARMEN KASNER Regional Managing Director NV5, Inc.

Since receiving her B.S. in Civil Engineering from South Dakota State University in 1990 and becoming a registered Calif. Civil Engineer in 1993, Carmen C. Kasner has remained passionate about serving public and private clients for over 30 years. She has designed and managed small and large public works projects that range from water fountain replacements to a \$100 million dollar septic to sewer conversion. Currently, she manages a team of over 120 professionals that provide surveying, civil, structural and transportation engineering, water/wastewater/stormwater engineering and public outreach. She also serves as a contract City Engineer for Imperial Beach.

Kasner remains active in professional organizations and has served in various officer roles including past President of ASCE, San Diego Section. She currently serves as the Treasurer for San Diego Chapter of APWA. She is actively involved in the communities she serves and mentors both young and seasoned engineers.

N|V|5



DEBRA KIMBERLING President San Diego County Engineering Council

bebra Kimberling is President of the San Diego County Engineering Council (SDCEC) which raises awareness of the achievements of the local engineering community. Kimberling has a M.S. in Aerospace & Aeronautics and a 35-year career history in industry, government, academia and non-profit organizations. As a technical leader at Solar Turbines, she developed fuel, sales and engineering tools that saved the company millions and improved customer satisfaction. She designed Atlas Centaur Rocket components for General Dynamics, autonomous submersibles for the US Navy, and was an engineering professor at Purdue University.

She is a Fellow of the Society of Women Engineers (SWE), where she served as a global executive board member, and is also member of NSBE, SHPEand the AAUW.An advocate for engineering society engagement, Kimberling supports engineering society inclusion initiatives through the SDCEC. This includes developing leadership skills, learning techniques to improve workplace culture, and supporting engineering outreach initiatives. She can be reached at President@SanDiegoEngineers.org.





ANI MEHRA Associate Engineer Port of San Diego

ni Mehra is an associate engineer in the Port of San Diego's Engineering and Construction department and has been with the Port for two years. Her projects at the Port of San Diego include leading the Preliminary Engineering Program, in which she completed more than 20 preliminary engineering reports within her first year of employment. She is also a project manager for the Port's Major Maintenance Projects. Additionally, she leads the Port's Reintegration and Reopening Committee where she helps plan and implement safety protocols and procedures that are mandated by the State and County COVID-19 health orders to safely bring back employees to the Port's facilities.

Throughout her career she has worked on multi-million-dollar engineering projects in both the private and public sectors. With more than 12 years of experience in the engineering field Mehra previously worked for AECOM Engineering Company for five years as a consultant to the San Diego County Regional Airport Authority.



HOLOGIC

RICK Congratulates

On being Named one of San Diego's Top Women of Influence in Engineering

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Jayne Janda-Timba PE, QSD, QSP, QISP, TOR

JAYNE IS AN INSPIRATION TO THE ENTIRE RICK TEAM. SHE EXEMPLIFIES THE SPIRIT OF RICK: outstanding technical expertise, industry leadership, creative solutions, teamwork and exceptional client service. A member of the RICK team since 1990, Jayne is a principal in the company's Water Resources Division and an industry leader in safeguarding our region's water resources.



Congratulations to all the honorees past and present.

We congratulate all honorees that were named as Women of Influence in Engineering. Special congratulations to our own Danielle Norris for her leadership, inspiration and importan contributions to help drive our mission to enable healthier lives everywhere, every day. **Hologic.com**



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KELLY MICHAJLENKO Director of Business Development GLUMAC

elly Michajlenko is director of business devel-opment at GLUMAC, a sustainable engineering firm. Her focus is to identify, evaluate and ensure MEPT engineering, lighting design and commissioning business opportunities, particularly in commercial, education and healthcare sectors. She has grown the office by over 300% in sales to deliver more than \$5 million in annual revenue.

Her recent victories includesecuring a contract with the county of San Diego for development of the Southeastern Live Well Center, and UC San Diego Hillcrest Redevelopment Outpatient Pavilion Phase I. The combined value of these contracts exceeds \$2 million.

Michajlenkoshares industry knowledge, dedicates time to her team's professional development and serves numerous community and industry organizations, includingCREW San Diego and Urban Land Institute. She even carried home her engineering and sustainability practices by cultivating an organic community garden in Mission Valley, educating neighbors about how they can grow their food. She can be reached at (619) 346-3851 or kmichaljlenko@glumac.com.

A TETRA TECH COMPANY



KATHERINE PARTAIN Sr. Nuclear Quality Engineer General Atomics

atherine Partain has spent the last 40 years at General Atomics working in five different divisions. She started as a lab technician specializing in manufacturing fresh nuclear fuels and testing both unirradiated and irradiated nuclear fuels. After getting her first master's degree she progressed to engineer work in decommissioning facilities and nuclear waste management and in 2000, she transferred to become a Program Manager.

In 2006, she was hired in nuclear quality engineering and in 2007, Partainattained her certified quality engineer credentials and became a lead nuclear auditor in Nuclear Quality Assurance (NQA-1). She has traveled the world performing nuclear audits of companies in Japan, Korea, Russia and all over the United States. She became the Chair of the San Diego Section of the American Nuclear Society (ANS) in 2019. The ANS is the premier organization for those that embrace the nuclear sciences and technologies for their vital contributions to improving people's lives and preserving the planet.





DANIELLE NORRIS Program Manager Hologic

anielle Norris is a Research and Development Engineering Program Manager at Hologic, a medical technology company primarily focused on women's health and sells medical devices for diagnostics, surgery and medical imaging. In her current role, Norris was instrumental in launching leading diagnostic platforms that aid in rapid testing for women's health and COVID-19.Last year, she helped her company increase COVID test kit manufacturing by leading teams to execute timely solutions in support of the global pandemic.

Prior to her work at Hologic, Norris worked at Philips as a Project Manager, R&D Compliance Manager, and also held positions at Volcano Corporation and Abbott. She holds a B.S. and M.S. in Biomedical Engineering from California Polytechnic State University. Norris is also an active member in the community volunteering with Junior League of San Diego, Reality Changers, Athena and Society of Women Engineers and is an active mentor to young women in the community.

HOLOGIC The Science of Sure



TERESA OQUENDO Project Management Lead AVIVV

eresa Oquendo enjoys working in the construction and engineering world. "There is always something new," she said."You have to find creative ways to get to a solution. And I love the dynamics of problem-solving in a team environment." Abachelor's degree in civil engineering from Cornell and a MBA from USC prepared her to excel as a business analyst with Intel and manufacturing production planner at Trimble Navigation. After nine years in Puerto Rico, Oquendo returned to San Diego, spending five years with Enel Green Power. This unique background allowed for a smooth transition to project manager at AVIVV in 2020.

There she has managed multiple projects including electrical distribution planning and engineering design for underground electrical services. She deliversdesigns used to build projects. Once construction begins, she supports order changes, environmental releases, community outreach and more.Oquendo is intelligentand resourceful, bringing with her a fresh perspective and leadership qualities.





KATE PALMER Project Manager Dudek

s a project manager with Dudek, Kate Palmer brings a broad spectrum of engineering and management expertise gained over her 18 years in the industry. Her experience includes systems analysis, modeling, and planning, and design of water, wastewater, and reclaimed water facilities. Palmer has a technical background related to trenchless construction techniques, particularly in environmentally sensitive areas. Notably, she recently completed the design and construction of a new water pipeline under a river in Riverside County avoiding environmentally sensitive habitats using a trenchless construction technique called horizontal directional drilling. Additionally, she is currently a design manager to rehabilitation a segment of San Diego's largest raw water transmission pipeline spanning over 12 miles.

Palmer is actively involved in the American Society of Civil Engineers, California Water Environmental Association, and North American Society for Trenchless Technology. She is a California professional civil engineer and holds a Master's Degree from Stanford University in Civil and Environmental Engineering. She can be reached at (760) 479-4160 or kpalmer@dudek.com.

DUDEK



NICOLE RIEGER **Project Manager** Dudek

icole Rieger is a professional civil engineer and project manager at Dudek. She specializes in floodplain management, drainage and stormwater quality design and analysis. Rieger has extensive experience working with clients as a drainage and stormwater design lead on municipal, roadway and private development projects and understands regional and statewide requirements. As a project manager, she has been integral to the growth of Dudek's stormwater practice in San Diego, shepherding projects through all phases, from conceptual planning through final design, permitting and construction.

Most recently, Rieger worked with the city of San Diego and its contractor to design and implement a stabilization system for a roadway that had become compromised due to erosion of a cave underneath the road in an accelerated, two-month schedule.

Rieger provides wonderful mentorship for Dudek's young engineers and is actively involved in professional organizations including the American Public Works Association and American Society of Civil Engineers. She can be reached at (760) 479-4148 or nrieger@dudek.com.

DUDEK



PRITI PHARKYA, PH.D Vice President, Strategy and Corporate Development Genomatica

he next frontier in science and engineering is to engineer biology to make high performing consumer products, while slashing their environmental impacts. Priti Pharkya, vice president of strategy and corporate development at San Diego-based clean manufacturing company Genomatica, started at the company as a research scientist in 2006, after earning her Ph.D. in chemical engineering. Her leadership of the company's strategy, including identifying new product opportunities and potential acquisitions, coupled with her own science and engineering contributions, have had a direct impact on products (from plastic bags to cosmetics) touched by millions.

Pharkya's work includes innovations and patents tied to Genomatica's work in developing microbes that make everyday products from renewable ingredients instead of fossil fuels. Pharkya helped Genomatica achieve the world's first commercial-scale facility that makes widelyused chemicals using biology.

Influenced by consumer demand, brands are increasingly turning to bioengineered solutions to deliver more sustainable products. Pharkya is helping to meet this demand.



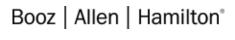


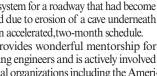
DIGNA RICARDEZ Lead Engineer **Booz Allen Hamilton**

ignaRicardez is a lead engineer with Booz Allen Hamilton, a Fortune 500 company. She provides engineering services to the U.S. Navy, responsible for ateam that develops software solutions for military networks and communications. Ricardez, a self-taught computer programmer with 20+ years of experience and leadership roles, has been instrumental in advancing the careers of women.

Ricardez is a U.S. Army veteran and an expert in process automation, standardization and configuration management. She has been recognized for her work in automation of complex software installation, rapid testing of prototype software, and implementation of security for government and military systems supporting our national defense.

Ricardez was the first in her family to earn a college degree. She began her career as a technical writer, but quickly advanced in the technology field. She also helps lead the Booz Allen San Diego Latin American Network for the advancement of Hispanic employees.







LIMA SAFT, PH.D, PE, PMP Technology in Transportation Engineer California Department of Transportation (Caltrans)

ima Saft, Ph.D. is a licensed civil engineer working for the California Department of Transportation in San Diego for 28 years. She has held multiple roles, most recently serving as the focal point for Connected Technology and Intelligent Transportation System projects. She is a Certified Project Management Professional, improving processes and products through teamwork, dedication and commitment to excellence.

Saft was named a 2019 Outstanding Engineer of the Year by the San Diego County Engineering Council. She is the 2021 president of the San Diego Chapter of WTS, a professional organization with the mission to attract, sustain, connect and advance women's careers to strengthen the transportation industry.

Saft is an advocate for continuous learning.She is an adjunct professor of transportation engineering at San Diego State and a mentor to many.She received her bachelor's and master's degrees in civil engineering from SDSU, and a Ph.D. in transportation science from UC Irvine. She can be reached at (858) 518-3912or Lima.Saft@dot.ca.gov.





JOANA SHUCKEROW Systems Engineer Northrop Grumman

oana Shuckerow has been a Systems Engineer at Northrop Grumman since 2018 where she leads and manages a maintenance laptop software upgrade effort. Early in her career, she worked as a requirements engineer for development and eventually became a thread lead for a multispectral sensor program, where she was in charge of the maintenance thread. Shuckerow was responsible for dictating how maintenance was done for the sensor and worked with multiple teams to ensure proper maintenance for Northrop Grumman's program. Additionally, she supported Global Operations and Fleet readiness as the deputy Systems Engineering lead where she worked with customers across multiple programs in order to meet schedule and budget requirements.

In addition to her full-time work, Shuckerow is an active member of Northrop Grumman Women's International Network (NGWIN). While completing her undergraduate degree in Mechanical Engineering from Norwich University, she founded the Mechanical Engineering Honor Society and was an NCAA athlete.

NORTHROP GRUMMAN



MELISSA STAYNER, PG, CEG Senior Engineering Geologist NOVA Services, Inc.

In the end of the end

Stayner manages projects from preliminary investigation through completion, coordinating with other consultants to provide value engineering whenever possible. Her strengths are proactive project management, in-grading mapping of structural geology, and quick, cost-effective solutions when geotechnical challenges arise. She is passionate about teaching and developing younger staff.

A member of San Diego Building Industry Association, Stayner serves on the board of the BIA Build SD PAC. She served on the board of CREW San Diego as director of marketing. She has served for five years on the North Park Planning Committee. She can be reached at (949) 357-76880r mstayner@usa-nova.com.





DANA THIBODEAU Systems Engineer Northrop Grumman

Since joining Northrop Grumman as a fulltime Systems Engineer in 2019, Dana Thibodeau has supported the Autonomous Systems Division's Global Hawk program in a variety of roles, successfully interfacing with a diverse group of peopleand applying her skills in trade studies, architecture/requirements shaping and cross-team collaboration. Through her work, she supported updates to internal processes, which helped improve efficiencies and provided her subject matter expertise to numerous studies and proposals to secure future program work.

Thibodeau is active in the employee resource group, Northrop Grumman Women's International Network (NGWIN) which aims to inspire women to lead, succeed and excel both personally and professionally. Prior to her full-time Systems Engineer position, she was a two-time summer intern at Northrop Grumman while she completed her undergraduate degree at the University of California, San Diego. Thibodeau is currently completing a Systems Engineering Master's Degree through Penn State University.

NORTHROP GRUMMAN



KRISTEN TUERK, AIA, DBIA Design Manager Balfour Beatty

Kristen Tuerk has a decade of experience and joined Balfour Beatty in 2019 in a unique role, a design manager. With a background and endorsements in architecture, she works alongside her construction teammates on some of the largest, most complex design build projects. She received both the Design Build Institute of America (DBIA) certification and accreditation through the American Institute of Architects (AIA). Tuerk is currently collaborating on one of the largest projects in San Diego County, the \$112 million Juvenile Justice Campus. She is an asset on projects where multiple entities form a single, cohesive team.

Tuerk is a mentor to students in both architecture and construction. She is an active member in Balfour Beatty's employee resource group, Connecting Women. To her teams and her projects, she provides the right combination of leadership, expertise and influence that ensures the right combination of people, tools and process are available to drive a high-performance team.





MICHELLE VARGAS Mfg / Ops Quality Manager Illumina Inc.

ichelle Davis Vargas is a manufacturing/ operationsquality manager at Illumina, ASQ deputy regional director, motivational STEM speaker, MESA industry board member, SDSU Aztec mentor and community leader. She manages, develops and promotes a group of quality engineers and has worked in medical device companies for over 20 years. At ASQ, her primary focus is on the next generation of quality professionals. Vargas has also been an SDSU Aztec mentor and has guided over 17 mentees since 2016. The mentees are mostly first-generation engineering college students. Vargas promotes education at all levels by being a community and motivational speaker and leading events such as the 2020 and 2021 San Diego County Engineering Council Engineer's Week Festival Student Events.

For her excellence in engineering and community work, she has received numerous awards, including the SWE Outstanding Engineer Award, SDCEC Outstanding Engineering Service Award and Illumina Most Admired Award. She is on LinkedIn as Michelle Davis Vargas.

illumina



ALISA VIALPANDO President Hunsaker and Associates San Diego, Inc.

Alisa Vialpando is president and principal of Hunsaker and Associates San Diego, Inc. She is a Registered Civil Engineer in California and Arizona with over 31 years of experience in the design and management of engineering projects from concept through construction. Her expertise includes the development of large residential developments such as Otay Ranch, San Elijo Hills, and a dozen other master-planned communities. Under her guidance, her team has entitled more than 50,000 homes throughout the San Diego community.

A principal for over 20 years, she was recently named president of Hunsaker and Associates San Diego, Inc., which has entitled more residential homes than any other firm in San Diego over the last 34 years. She is a member of the Society of Women Engineers, the Society of Hispanic Professional Engineers, and serves on the board of the San Diego Building Industry Association. The company is expected to see substantial growth under her leadership.





KIMBERLY WENDER, PE Project Manager Psomas

Kimberly (Raetz) Wender is an associate and project manager for Psomas in the firm's Downtown San Diego office. She is a California registered civil engineer, focused on community enhancement projects, such as public transit facilities, parks, ADA compliance and other civil infrastructure. As an Envision Sustainability Professional (ENV SP), she brings sustainable design practices to each project. She organized a local Envision training seminar on behalf of the Institute of Sustainable Infrastructure to encourage non-registered Psomas and industry colleagues to become certified and integrate sustainable practices into their projects.

Wender is dedicated to several professional organizations focused on enhancing the local built environment and giving back to the community. As a dedicated member of the American Society of Civil Engineers (ASCE), San Diego Section, she became board president in 2019. She has participated in pre-college outreach to introduce students to the civil engineering profession and has received several awards for community service.





ANNDRIA WRIGHT Sr. Designer AVIVV

A nndria Wright has over 20 years of experience in drafting and design and is accredited as a designer, drafter, and Computer-Aided Design(CAD) Coordinator. She made the decision early on in life to get into the industry, after listening to a representative from ITT Technical Institute who spoke to her class. She was so intrigued that after completing a drafting class, she knew she had found her calling. She loved the idea of drawing and even more so the idea of building something.

Her experience and love of design and engineering led her to take on her current role as a Sr. Designer with AVIVV. Her current projects have her working on moving transmission lines from overhead to underground in the power and energy industry. She enjoys meeting deadlines for major clients such as SDG&E and looks forward to working on more projects that challenge her to further her skills and think outside the box.





MEHRNOUSH YAVARY, PE Director of Professional Services Atlas Technical Consultants (Atlas)

ehrnoush Yavary, PE is the director of professional services for Atlas Technical Consultants (Atlas). She is recognized for her exceptional work quality, above-and-beyond performance, heart-lead mentorship and reliant leadership as a professional engineer and branch leader for the Atlas San Diego office. With over 20 years of diversified construction and engineering experience, Yavary was instrumental in aligning her teams for success in 2020 despite challenges faced during a pandemic year. As director of professional services, she is responsible for all matters related to quality, client care and team leadership for Atlas' special projects, geophysics and geotechnical teams. Yavary received her bachelor's degree in civil engineering from the University of Ottawa (Canada) and her master's degree in ocean engineering from Stevens Institute of Technology (New Jersey). When she is not working, she is raising her beautiful 5-year-old daughter Persia with her husband Dr. Erik Rosenberg. She can be reached at Mehrnoush.Yavary@oneatlas.com.





COLLEEN ZAGAR Engineer Turner Construction Company

G olleen Zagar began her engineering career with Turner Construction in New York City in 2012, where she worked as an engineer and superintendent on the Whitney Museum. She then took increasingly responsible positions as a cost analyst, eventually presenting financial analysis to senior leadership. In 2019, Zagar relocated to San Diego to work as an engineer on the Navy General Administration Facility downtown. The project was completed in October, a month ahead of schedule. She is now senior project engineer on a local life science project.

At the San Diego office, Zagar serves on the planning committee of Turner Construction's Professional Women's Group, which hosts events with the goal of elevating women in engineering and construction. Zagar also serves as the lead trainer for the San Diego office of Turner's engineering trainings. Young professionals inside and outside Turner see Zagar as a role model.Zagar holds a bachelor's degree in civil/ environmental engineering from Villanova University. She can be reached at czagar@tcco.com



CONGRATULATIONS TO

Sarah Curran, PE and Kimberly Wender, PE

San Diego Business Journal's Women of Influence In Engineering





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Congratulations to our very own

Ani Mehra Perla Goco

on being named Women of Influence in Engineering

We're all proud of you!





On behalf of all of us at Psomas, we are extremely proud of your commitment to excellence in serving our clients, projects, and setting an example of leadership for women in the industry!



portofsandiego.org