

SWE DISTINGUISHED NEW ENGINEER



JESSICA TEACHWORTH
LOCKHEED MARTIN CORPORATION

For technical and programmatic excellence in her profession, for being a role model, and for mentoring SWE's future leaders.

Jessica Teachworth always has been fascinated with rockets and space exploration. She essentially “grew up” at the San Diego Air & Space Museum and interned during high school on the Near-Earth Asteroid Project at the University of California, San Diego. She graduated from the University of California, Berkeley in 2004, with a B.S. in mechanical engineering. In 2005, after completing internships with NASA and UPS, Teachworth joined Lockheed Martin Corporation as an engineer on the Fleet Ballistic Missile program. In 2009, pursuing her interest in the intersection of technology and business, she earned an M.S. in systems engineering and an MBA from San Jose State University.

Teachworth is currently a technical assistant to the chief engineer for the Lockheed Martin Strategic and Missile Defense Systems line of business. She supports executive leadership forums in areas of strategic planning, proposal evaluation, technical interchanges, and critical skills management. Her involvement with the Silicon Valley Alliance (SVA) allows companies to partner with Lockheed Martin to design and produce the next-generation systems for government customers. This partnership

promotes cross-industry discussions of technologies for innovative usage. The SVA partnerships range from small start-ups to Fortune 500 companies. Teachworth champions initiatives such as additive manufacturing, common system architectures, and engineering best practices.

As a member of Lockheed's strategic missile technologies team, Teachworth researched and evaluated advanced technologies for use in solid rocket motors. She contributed to the preparation and execution of multimillion-dollar contracts that included full-scale test demonstrations. As a Six Sigma Green Belt, Teachworth initiated and implemented a continuous improvement program that resulted in millions of dollars in savings. She has led many studies to evaluate the merits of technical capabilities in the context of customer requirements and cost constraints.

Teachworth's involvement in the Society of Women Engineers began when she joined the University of California, Berkeley Collegiate Section as an undergraduate and held many leadership positions, including section president and collegiate chair of the 2004 Region A conference. After graduation, she

joined the Santa Clara Valley Section and served as section representative. A mentor at heart, Teachworth then became the SWE counselor for both the San Jose State University and Santa Clara University collegiate sections.

She was recognized by the Region A council with the 2013 Emerging Leader Award for her dedication to the mentoring and development of future SWE leaders. She has volunteered in the Santa Clara Valley Section's GetSET (Get Science, Engineering, and Technology) summer outreach program for high school girls. She supports the Santa Clara Valley Science and Engineering Fair and the *FIRST*[®] Robotics Silicon Valley Regional events.

The mother of two girls, Teachworth volunteers at her daughter's preschool and encourages the children to ask “why” and to discover “how.” She is a member of Tau Beta Pi, Beta Gamma Sigma, the National Management Association, and Toastmasters International.