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For More Information:
Society of Women Engineers
Heidi Lerfald
(312) 596-5223
heidi.lerfald@swe.org

MICHELLE IVY RECEIVES 2007 SWE EMERGING LEADERS AWARD FOR MANUFACTURING & CONSTRUCTION

Michelle Ivy recognized at WE07, the Society of Women Engineers national conference, for her leadership and contributions to process improvement in manufacturing and construction.

CHICAGO, Oct. 22, 2007 – The Society of Women Engineers (SWE) today announced Michelle Ivy as a recipient of the 2007 Emerging Leaders Award for demonstrated leadership in manufacturing and construction.

Michelle Ivy is Etch process engineering section manager for Freescale Semiconductor, Inc., in Austin, Texas. In this position, Ivy manages a team of 18 staff to identify and introduce yield, metrology, cost reductions, and scrap mitigation enhancements, resulting in an estimated savings of \$0.5 million a year.

“Michelle Ivy has made significant contributions to manufacturing through her technical expertise, insight, and ability to discern methods that improve controls and eliminate inefficiencies,” says Michelle Tortolani, SWE president. “Under Michelle’s direction, equipment modifications and new processes have saved her employers, collectively, millions of dollars.”

Ivy began her career in 1995 as cooperative engineer for 3M, where she designed, installed, and optimized chemical replenish systems for micro-interconnect process copper platers, which resulted in annual savings of \$400,000.

In 1996, Ivy took on a new role of reservoir engineer with Shell CO₂ Company. There, she was responsible for forecasting reserves and developing a depletion plan for optimum reservoir drainage, as well as determining the economic and technical feasibility of CO₂ flooding customer oil fields.

In 1999, Ivy began her first tenure with Freescale, working for the company until 2005. During this time, Ivy worked yield metrology process engineer, yield metrology group leader, and Etch senior staff process engineer. At Freescale, Ivy introduced sampling procedures and developed automation code, resulting in a 35 percent reduction in cycle time. She also optimized a critical resist stripping process to provide a 30 percent reduction in embedded particles while maintaining comparable electrical and speed performance at inline probe.

In 2005, Ivy worked as a quality engineering group leader and consultant for Dell, Inc., where she ascertained and deployed manufacturing build, documentation, and design fixes to resolve issues of poor quality and customer experience. In this position, she managed an engineering group focused on reducing customer contacts, resulting in a 20 percent improvement and savings of \$1.2 million a year.

“Michelle holds multiple roles at Freescale and all require extreme levels of precision and technical expertise around the clock,” says Barry Haygood, OHT Photo/Etch engineering manager for Freescale. “Her technical leadership has been instrumental in improving our die yield through defect reduction and process improvement and for increasing our manufacturing productivity and capacity through Lean methodologies.”

In addition to her professional responsibilities, Ivy has been an active member of the Austin Junior Forum since 2002, having served in various leadership roles.

Ivy received her B.S. degree in chemical engineering from The University of Texas – Austin. She was awarded a Six Sigma Black Belt in 2003.

The Emerging Leader Awards honor women engineers who have demonstrated outstanding technical excellence as an individual resulting in significant accomplishments in the following areas: academia; manufacturing and construction; procurement/logistics; product research, design, and engineering; quality, safety, health and environment; and sales and marketing.

The 2007 Emerging Leader Awards will be recognized, October 26 at WE07, the Society of Women Engineers national conference . WE07 is being held at the Nashville Convention Center October 25-27, in Nashville, Tenn.. The more than 4,000 attendees include professionals from every discipline of the engineering profession and engineering students and educators. The WE08 conference is scheduled for November 6-8, 2008, in Baltimore.

About SWE

The Society of Women Engineers (SWE), founded in 1950, is a not-for-profit educational and service organization. SWE is the driving force that establishes engineering as a highly desirable career aspiration for women. SWE empowers women to succeed and advance in those aspirations and receive the recognition and credit for their life-changing contributions and achievements as engineers and leaders. For more information about the Society please visit www.swe.org or call (312) 596-5223.

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