

# Academy of Distinguished Engineers

## Brenda M. Holdener

B.S. Construction Engineering Management '85  
Captain, United States Navy  
Inspector General  
United States Transportation Command  
Scott AFB, Illinois



"I've been able to influence and lead 1,100 young men and women on a daily basis as the commanding officer of a ship."

Capt. Brenda Holdener enlisted in the United States Navy in 1978 and received a Navy ROTC scholarship to Oregon State University. Her first tour of duty was at Navy Manpower Engineering Center Detachment in San Diego. From

there, Holdener has advanced through the ranks as a combat helicopter pilot, a navigator on the USS Kitty Hawk, a command center director for NORAD, and the commanding officer of the USS Wasp, among other assignments.

"My construction engineering management degree was broad enough to help me excel as a helicopter pilot and a ship's commanding officer," says Holdener. "The engineering background made the technical aspects easy, and the business background kept me thinking about efficiencies in large organization management." Holdener also earned her M.A. in national security and strategic studies from the Naval War College, and a homeland security graduate certificate from University of Colorado.

"I've been able to influence and lead 1,100 young men and women on a daily basis as the commanding officer of a ship," says Holdener. "If I was able to help only one to reach their goals, then I was successful at my job."

## Paul R. Mather

B.S. Civil Engineering '84  
Highway Division Administrator  
Oregon Department of Transportation  
Salem, Oregon



"My education at OSU has enabled me to fulfill my life's purpose."

Paul Mather had a clear direction for his life and Oregon State helped him achieve his goals. "My education at OSU has enabled me to fulfill my life's purpose," says Mather. "My college experience opened doors that allowed me to use my engineering and leadership skills to

enhance the abilities of those around me."

Paul joined the Oregon Department of Transportation (ODOT) in 1984 in traffic engineering. Over the years, he has worked in construction, maintenance, and project development in Portland, Salem, and Roseburg. Mather led ODOT's response to the state's deteriorating bridges by coordinating the "Economic and Bridge Options Report," resulting in a \$1.3 billion funding package approved by the state legislature.

"Oregon's deteriorating bridges and overpasses threatened a \$123-million negative impact to the state's economy, placing more than 88,000 jobs at risk," says Mather. "With the help of OSU research, I helped tell this story to the 2003 legislature. Over the last 10 years, ODOT has completed work on all of these routes, with a program delivered on time and under budget."

## Steven E. Locke

B.S. Chemical Engineering '82  
President & Chief Operating Officer  
SLR International Corporation  
Portland, Oregon



"Real life is full of interesting developments which don't have immediately obvious solutions."

Steve Locke followed in his father's footsteps when he enrolled in chemical engineering at Oregon State. Ed Locke had received his chemical engineering degree from Oregon State College in 1947.

As soon as he graduated, the younger Locke took a job as a process engineer with Chevron USA. In 1987, he made the leap

from hands-on industry to environmental consulting with SRH Associates, SECOR International, and currently at the United States branch of SLR International, an international environmental consultancy with offices around the world.

"Building a team across North America that competes well in high-growth, international markets, enjoys working together, takes care of friends and family, and serves meaningfully in the community is my biggest contribution to my industry," says Locke. "Our Oregon scientists and engineers help with everything from non-profit neurotherapeutic pediatric clinics to providing clean water in developing countries."

It was at Oregon State that Locke learned to solve complex problems. "Real life is full of interesting developments which don't have immediately obvious solutions," says Locke. "Being taught a process at Oregon State for successfully maneuvering through these problems has been an extremely valuable tool."

## Stephen S. Pawlowski

Senior Fellow & General Manager  
Architecture and Planning  
Intel Corporation  
Hillsboro, Oregon



Pawlowski holds 56 patents in the area of system and microprocessor technologies and has received three Intel Achievement Awards.

Steve Pawlowski is responsible for ensuring architectural consistency across all of Intel Architecture and implementation of such as security and management across Intel Core and Intel Atom product lines.

Pawlowski joined Intel in 1982 after earning bachelor of science degrees in

electronical engineering technology and computer systems engineering technology from the Oregon Institute of Technology. He received a master's degree in computer science and engineering from the Oregon Graduate Institute in 1993.

Pawlowski led the design of the first Multibus I Single Board Computer based on the 386 processor. He was a lead architect and designer for Intel's early desktop PC and high performance server products. Pawlowski also helped define the system bus interfaces for Intel's P6 family processors, the Pentium 4 processor and Itanium processor.

Pawlowski holds 56 patents in the area of system and microprocessor technologies and has received three Intel Achievement Awards. He served as the chair of Oregon's Engineering and Technology Engineering Council (ETIC) and continues to serve as a Council member.