

Academy of Distinguished Engineers

Manoj Gujral

M.S. Electrical Engineering & Computer Science '87
Los Altos, California



His years in Corvallis provided the foundation for his assimilation into America's culture, value system and lifestyle.

Manoj Gujral earned his undergraduate degree in 1983 at Panjab University, one of India's renowned educational institutions, and Oregon State University became his entry point to the United States. His years in Corvallis provided the foundation for his assimilation into America's culture, value system, and

lifestyle.

"OSU gave me fundamental knowledge around semiconductors and computer architecture," says Gujral. "Its team-based problem-solving, value of diversity, and strong academic and industry partnerships opened the door for new opportunities in my career."

Gujral has over 23 years of expertise in developing and bringing to market solutions for consumer electronics, personal computers, servers and mobile devices. He recently served as general manager of the broadband and consumer division and vice president of Cavium, Inc. Prior to that, he was general manager of desktop business at NVIDIA.

"Over the years, my associations with teams that have developed innovations in computing and networking have led to more processing power and connectivity in devices that we hold in the palm of our hands than was available in OSU's entire electrical engineering department when I was a student," says Gujral.

Elizabeth N. Hammack

B.S. Industrial Engineering '81
Vice President, Operations & Manufacturing
Medtronic, Inc.
Mounds View, Minnesota



"I am very proud that I have been able to help millions of people restore their health, alleviate their pain and extend their lives."

Elizabeth Hammack's broad education at Oregon State in industrial engineering allowed her to contribute early in her career to complex manufacturing companies on issues related to productivity and workforce safety.

"My OSU education helped me become a

better problem-solver," says Hammack. "My engineering curriculum spanned many disciplines — mechanical, electrical, fluids, operations research, systems and mathematics — which significantly improved my problem-solving skills throughout my career."

Since 1986, Hammack has been able to utilize her industrial engineering education to commercialize medical technology for novel new cardiovascular and vascular products across the globe, including at Advanced Cardiovascular Systems, Conceptus, and Heartport. Her experiences moved her closer to her responsibilities today with Medtronic, Inc., the world's largest medical device company.

"I have led the commercialization activities such as manufacturing scale-up, supplier scale-up, product launch planning obsolescence management, product distribution network optimization and after-market servicing," says Hammack. "I am very proud that I have been able to help millions of people restore their health, alleviate their pain and extend their lives."

Kevin G. Hart

M.S. Radiation Health Physics '02
Systems Engineer & Health Physicist
Sandia National Laboratories
Albuquerque, New Mexico



Hart served as the chemical, biological, radiological, and nuclear (CBRN) staff officer to the Army Surgeon General.

Kevin Hart recently retired from the U.S. Army as a lieutenant colonel after 20 years of service as a nuclear medical science officer. He served as deputy assistant director at the Domestic Nuclear Detection Office within the Department of Homeland Security, where he was responsible for radiation detection system testing, operational

assessment, operational modeling, and strategic planning.

Hart also served as the chemical, biological, radiological, and nuclear (CBRN) staff officer to the Army Surgeon General. In this position, he oversaw the procurement of \$30 million of CBRN pharmaceuticals annually. He served as the U.S. head-of-delegation to the North Atlantic Treaty Organization (NATO) responsible for development of CBRN medical doctrine.

Hart currently serves as a systems engineer and health physicist with Sandia National Laboratories, supporting the Department of Energy's Global Threat Reduction Initiative. He is responsible for managing physical protection upgrades at research reactor, medical, and industrial facilities with high-activity radiation sources.

Hart earned his undergraduate degree in nuclear engineering from North Carolina State University in 1992 and was certified by the American Academy of Health Physics in 2001.

Jeffrey P. Harvey

B.S. Electrical Engineering '79
President & CEO
Burgerville
Vancouver, Washington



"Going to college is one of the first major steps toward independence in your life."

Anative of Tigard, Jeff Harvey used his education to become a major power player in California-based utility and energy companies before returning to Oregon. Now he is seeking green and sustainable solutions at Burgerville, home of sweet potato fries and Walla Walla Sweet onion rings.

At Oregon State, Harvey got a degree in electrical engineering and lessons in independent living. "Going to college is one of the first major steps toward independence in your life," says Harvey. "It was at OSU where I was able to chart my own course and my curriculum gave me sufficient opportunity to choose pathways."

Harvey's path led him to leadership roles with PG&E Energy Services, Chevron Energy Services, and Energy Conversion Devices. He also had a hand in forming the Power Quality Service Center, a utilities alliance that educates consumers on safety and energy saving.

Since 2004, Harvey has helped drive double-digit growth and positioned Burgerville to be responsible and sustainable in all aspects, including people, profitability, and community. "The biggest impact I can make is to bring purpose into the workplace," says Harvey. "I'm always asking people why is this important — bring meaning into it."