

Dr. Caterina Valeo

Biography:

Dr. Caterina Valeo is a Professor in Mechanical Engineering at the University of Victoria and a Professional Engineer in the Province of British Columbia. She has been working as an academic for 25 years in the area of urban water resources and environmental engineering. Her research program spans multiple scales from evaluating the impacts of global scale changes on forestry and water supply, developing sensors for small scale water quality monitoring, to modelling pollutant transport in small water bodies. She has more than 200 publications including three co-authored books on topics as diverse as environmental hydraulics and digital terrain modelling. She has collaborated with numerous researchers across the globe, has received and participated in several million dollar grants, and is the recipient of various accolades including the 2014 Award of Distinguished Scientist from the International Society for Environmental Information Sciences. Today Dr. Valeo runs the Biotention Research Laboratory and the co-runs the HAL Research Site at the University of Victoria where she continues to conduct multi-collaborative research that uses environmental informatics tools to create sustainable solutions to society's modern problems.