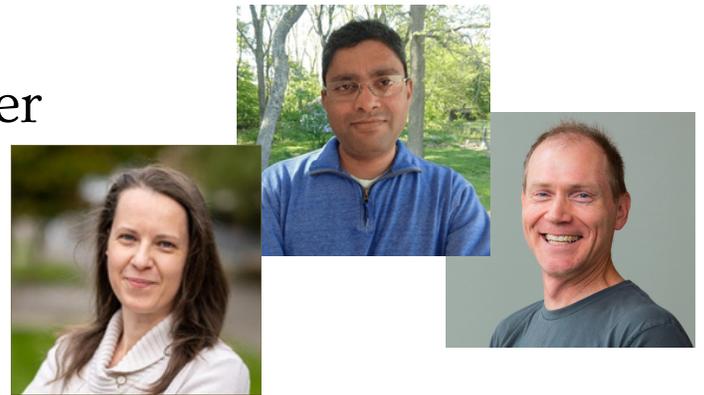




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## Evaluation of Remote Sensing Based Monitoring of Lake Water Quality in Washington State

Monday, April 28, 2025  
12:00-1:00



Dr. Emese Hadnagy and Co-PIs Dr. Gopal Mulukutla and Dr. James Gawel evaluated the use of satellite imagery to capture water quality conditions related to harmful algal blooms in lakes of WA state. The focus of this work was to develop water quality indicators to capture intensity and extent of bloom events to protect public health and inform lake management.



Spanaway Lake sampling site. Photo by Violette Lafferty

Dr. Hadnagy is an Associate Professor and Chair of the BS Civil Engineering program at the School of Engineering and Technology at the University of Washington Tacoma. Her research broadly lies in the areas of water resources management, including the investigation of harmful algal blooms, and innovative contaminant treatment technology development.

Dr. Gopal Mulukutla is an Affiliate Assistant Professor at the School of Interdisciplinary Arts and Sciences at the University of Washington Tacoma. He previously worked at the WA State Department of Health where he coordinated the agency's response to harmful algal blooms in the state's freshwater lakes.

Dr. Jim Gawel is Professor of Environmental Chemistry and Engineering at the School of Interdisciplinary Arts and Sciences at the University of Washington Tacoma. His scholarship examines the role of human and natural disturbance forces on natural systems, and the resulting implications for ecosystem and human health, with applications aimed at resource management & mitigation.

All webinars are free but registration is required.  
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