



INSTITUTION

University of Washington

EDUCATION

University of Connecticut

National University of Singapore

Indian Institute of Technology

FAISAL HOSSAIN

Faisal Hossain enjoys interacting with students at all levels and disciplines as part of his day job as a faculty in the Department of Civil and Environmental Engineering at the University of Washington. His night job where he devotes an equal amount of energy is about film-making and communication of science. He uses these to build bridges between communities and solve pressing problems for society. His research group at University of Washington focuses on improving livelihoods in challenging environments through sustainable application of earth science, remote sensing and advanced information technology to improve security for water, energy and food at local and regional scales.

His capacity building and education initiatives involving satellite remote sensing has resulted in several independently-owned satellite management system for Governments of several Asian nations for improved water, food and energy security. Currently, he serves as Editor for Journal of Hydrometeorology and Applications lead for Science Team of Surface Water Ocean Topography (SWOT) Satellite Mission that is scheduled for launch in 2021. He initiated the Engineering Student Film Contest at University of Washington in 2017 that is now planned as the nation's first and bi-annual student film festival for STEM majors as a way to explore the arts.