

## **Debasmita (Debu) Misra**

### Statement of Candidature for President Elect of UAF Faculty Senate

I am a Professor of Geological Engineering in the College of Engineering and Mines. I earned my Ph.D. in 1994 from the University of Minnesota. After 3 years of postdoc, 2 years as term faculty in Michigan Technological University and 2+ years in the industry, I joined University of Alaska Fairbanks in 2002 as an Assistant Professor. I was tenured and promoted as Associate Professor in 2007 and promoted to Full Professor in 2012. I teach both undergraduate and graduate level courses in Geological Engineering and my area of interest and proficiency is in the general area of Hydrology and Hydraulic Processes, which includes non isothermal multiphase fluid flow and transport in porous media, characterization of georesources and subsurface hydraulic properties, numerical methods and artificial intelligence applications, remote sensing and geophysical methods. My research has been focused on hydraulic processes in terrestrial and nearshore coastal environments in

My service in the faculty senate