

Dr. John Delaney



John Delaney is Professor of Oceanography at the University of Washington and the first holder of the Jerome M. Paros Endowed Chair in Sensor Networks. He is also Program Director and Principal Investigator of the Regional Scales Nodes program of the National Science Foundation's Ocean Observatories Initiative.

Delaney is a passionate and tenacious advocate for launching next-generation ocean science and education capabilities. New approaches will be made possible by distributed robot-sensor networks on the seafloor that enable adaptive, real-time interactive research on natural processes operating throughout the world's oceans. Since 1997, Delaney has directed development of the cabled network in the northeast Pacific Ocean that has evolved into the Regional Scale Nodes program. This distributed, remote, sensor-robotic network will convert a sector of the Juan de Fuca tectonic plate and overlying ocean into an internationally accessible, interactive, real-time natural laboratory capable of reaching millions of users via the Internet.

As a seagoing oceanographer, Delaney has served as chief scientist on more than 40 oceanographic research cruises, many of which have included the Deep Submergence Vehicle *Alvin* and the Remotely Operated Vehicle *Jason*. In September 2005, he co-led the VISIONS'05 research expedition, which successfully broadcast the first-ever live, high-definition video from the seafloor.

