

## **Dr. Ed Cloutis Biography**

Dr. Cloutis is a Professor in the Department of Geography at the University of Winnipeg. He has over 25 years of expertise in the applications of optical spectroscopy to a wide range of applications, including agricultural and environmental monitoring, analysis of cultural artefacts, and planetary exploration. He has served as Director of the University of Winnipeg's Institute of Urban Studies, and was the first Director of the University of Winnipeg's Centre for Forest Interdisciplinary Research. He is also the founder and director of the University of Winnipeg's Planetary Spectrophotometer Facility, a state-of-the-art laboratory supporting optical remote sensing applications.

He has over 150 peer-reviewed publications in this area. He has secured over \$10 million in funding from numerous agencies and groups and works with a variety of industrial partners on commercialization of optical spectroscopic applications and technologies. Dr. Cloutis received the University of Winnipeg's Erica and Arnold Rogers Award for Excellence in Research and Scholarship in 2002. His work in applying optical spectroscopy to determine planetary surface compositions was recognized with the naming of asteroid (6081) Cloutis by the International Astronomical Union in 2002. Dr. Cloutis has served on numerous advisory boards for the Canadian Space Agency and the Canada Centre for Remote Sensing. Dr. Cloutis received a B.A.Sc. degree in Geological Engineering from the University of Toronto, an M.Sc. degree in Geology from the University of Hawaii, and a Ph.D. in Geology from the University of Alberta. He has been a full Professor at the University of Winnipeg since 2003.