

UMBGRAPHILLIC ESOTERICA: A Retrospective Beyond Science and Technology

Glenn Schneider



BIOGRAPHY: Dr. Glenn Schneider is an Astronomer at University of Arizona's Department of Astronomy and Steward Observatory where, since 1994, he has served as the Project Instrument Scientist for the Hubble Space Telescope's Near Infra-red Camera and Multi-Object Spectrometer. He is the Principal Investigator for the EXoplanetary Circumstellar and Disk Explorer (EXCEDE), a proposed EX class explorer mission selected by NASA for, and undergoing, technology development and maturation. His research and instrumental interests are primarily centered on the formation, evolution, and characterization of extrasolar planetary systems, and high contrast space-based (coronagraphic) imaging systems. His studies have focused on the direct detection of sub-stellar and planetary mass companions to young and near-by stars and the circumstellar environments from which such systems may arise and interact. In concert with his scientific investigations of circumstellar dust and debris disks and co-orbital bodies they may harbor, he has played a leading role in the development of very high contrast space-based coronagraphic and near-infrared imaging systems and techniques with HST, leading to spatially resolved scattered light images the birthplaces of planetary systems. Dr. Schneider is a member of the International Astronomical Union's Working Group on Solar Eclipses with expertise in the high-precision numerical calculation of eclipse circumstances and the application of those computations in planning and carrying out observations of total solar eclipses. For more than four decades, Dr. Schneider has lead expeditionary groups and conducted such observations on land, sea and air of thirty-one total solar eclipses occurring since 7 March 1970 from remote locations across the globe conducting direct, polarimetric, and spectrophotometric imaging programs. Additionally, he has executed five, and planned many more, high-altitude eclipse intercepts with jet aircraft and is now preparing for his next stratospheric eclipse flight, for TSE 2015, over the Norweigien Sea. Additional information on his background and research interests may be found at : <http://nicmosis.as.arizona.edu:8000>