International Solar Eclipse Conference (SEC2004)

20 – 21 - 22 August 2004

Open University, Milton Keynes (UK)

Glenn Schneider

Dr. Glenn Schneider holds a joint appointment at the University of Arizona's Steward Observatory as an Associate Astronomer, and as the Project Instrument Scientist for the Hubble Space Telescope's Near Infra-red Camera and Multi-Object Spectrometer. His research and instrumental interests are 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 of nascent extraplanetary disks.

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 three decades, Dr. Schneider has lead expeditionary groups and conducted such observations on land, sea and air of twenty-three (of the twenty-four) 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 two, and planned five, high-altitude eclipse intercepts with jet aircraft.

Additional information on his background and research interests may be found at: http://nicmosis.as.arizona.edu:8000/