BIOGRAPHICAL SKETCH — Dr. Deidre Ann Hunter

Professional Preparation:

Undergrad:	University of Arizona	Physics	BS 1975
Graduate:	University of Illinois	Physics	MS 1977
Graduate:	University of Illinois	Astrophysics	PhD 1982
Postdoc:	Kitt Peak National Observatory	Astronomy	1982-1984
Postdoc:	Carnegie Institution of Washington (DTM)	Astronomy	1984-1986

Appointments:

Lowell Observatory, Astronomer with Tenure, 1993–present
Lowell Observatory, Assistant Astronomer, 1986–1993

Awards:

1984 Robert J. Trumpler Award
1990 Lowell Observatory Scientific Staff Member of the Year

Most Recent Publications:

2005, "Power Spectra in V-band and Hα of 9 Irregular Galaxies," K. W. Willett, B. G. Elmegreen, & D. A. Hunter, *AJ*, submitted.

2005, "DDO 43: A Prototypical Dwarf Irregular Galaxy?," C. E. Simpson, D. A. Hunter, and T. E. Nordgren, *AJ*, submitted.

2005, "DDO 88: A Galaxy-Sized Hole in the Interstellar Medium," C. E. Simpson, D. A. Hunter, and P. M. Knezek, *AJ*, January.

2004, "Dynamical Mass Estimates for Five Young Massive Stellar Clusters," S. S. Larsen, J. P. Brodie, and D. A. Hunter, *AJ*, November.

2004, "Star Formation Properties of a Large Sample of Irregular Galaxies," D. A. Hunter and B. G. Elmegreen, *AJ*, November.

2004, "Near-Infrared Integral Field Spectroscopy of Normal Star-Forming Galaxies," D. A. Dale, et al. *ApJ*, **601**, 813.

2003, "Cluster Mass Functions in the Large and Small Magellanic Clouds: Fading and Size of Sample Effects," D. A. Hunter, B. G. Elmegreen, T. J. Dupuy, & M. Mortonson, *AJ*, **126**, 1836.

2002, "The Stellar and Gas Kinematics of Several Irregular Galaxies," D. A. Hunter, V. C. Rubin, R. A. Swaters, L. S. Sparke, & S. E. Levine, *ApJ*, **580**, 194.

Outreach Activities:

1) I routinely involve undergraduates in my research. This is most often as part of the NSF-funded Research Experiences for Undergraduates program and the MIT Astronomy Field Camp which comes to Lowell each January. To date I have worked with 15 undergraduates and one high school student under these and a Lowell-funded assistantship. Twelve have been women and some of these have also been part of enthnic minorities. These projects usually lead to substantial publications and posters by the students at AAS meetings.

2) In 1996 Dr. Amanda Bosh and I established the *Lowell Observatory Navajo-Hopi Astronomy Outreach Program* which is described in greater detail in this proposal.