

## VITA

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### **Personal:**

Birthdate: March 24, 1954  
Birthplace: Decatur, Illinois  
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### **Education:**

B.S. in Astronomy, Univ. of Illinois, Urbana, Illinois, 1976  
Ph.D. in Planetary Science, Univ. of Arizona, Tucson, Arizona, 1981  
(Advisors: Charles Lada and George Rieke)

### **Employment:**

9/10-present Associate Chairperson, Dept. of Physics & Astronomy, Univ. of Missouri-St. Louis  
9/93-present Professor of Astronomy, Univ. of Missouri-St. Louis  
9/00-9/10 Chairperson, Dept. of Physics & Astronomy, Univ. of Missouri-St. Louis  
9/90-8/91 Visiting Scientist, Harvard-Smithsonian Center for Astrophysics  
9/88-9/93 Associate Professor of Astronomy, Univ. of Missouri-St. Louis  
9/84-9/88 Assistant Professor of Astronomy, Univ. of Missouri St. Louis  
9/83-9/84 Lecturer in the Astronomy Department, University of Texas at Austin  
8/81-9/84 Postdoctoral research associate in the Astronomy, Department, Univ. of Texas at Austin  
9/76-8/81 Graduate research assistant in Planetary Sciences, University of Arizona

### **Scholastic Honors:**

Phi Beta Kappa, 1975  
Magna Cum Laude, Highest Distinction in Astronomy, University of Illinois, 1976

### **Membership in Professional Societies:**

American Astronomical Society  
Sigma Xi

### **Recent Presentations:**

*Star Formation in the Rho Ophiuchi Molecular Cloud: A Laboratory for Low Mass Star Formation*,  
O.M. Stewart Colloquium, University of Missouri-Columbia, February 2009.  
*Astronomy from the Stratosphere: NASA's New Airborne Observatory*, St. Louis Astronomical Society,  
Washington University, January 2011  
*Echelle Spectra of Candidate Young Stellar Objects in the Serpens Main Cluster*, poster presentation at  
the 219<sup>th</sup> meeting of the American Astronomical Society in Austin, TX, January 2012

### Recent Research Grants:

- 2004, NASA, \$13,142, *The Origins of Substellar Masses*
- 2004, NASA, \$41,698, *NASA/Missouri Space Grant Consortium: UM-St. Louis Program*
- 2005-2010, NASA, \$244,509, *NASA/Missouri Space Grant Consortium: UM-St. Louis Program*
- 2008, Univ. of Missouri Research Board, \$15,300, *The First Wave of Star Formation in the Ophiuchus and Serpens Molecular Clouds*
- 2010-2012, NASA, \$101,782, *NASA/Missouri Space Grant Consortium: UM-St. Louis Program*

### Recent Publications:

73. *Low Mass Stars and Substellar Objects in the NGC 1333 Molecular Cloud*, Wilking, B., Meyer, M., Greene, T., Mikhail, A., & Carlson, G., **Astronomical Journal**, v127, 1131-1146, 2004.
74. *Optical Spectroscopy of the Surface Population of the Rho Ophiuchi Molecular Cloud: The First Wave of Star Formation*", Wilking, B. A., Meyer, M. R., Robinson, J. R., & Greene, T. P., **Astronomical Journal**, v130, 1733-1751, 2005.
76. *Searching for proto-brown dwarfs: Extending near IR spectroscopy of protostars below the hydrogen-burning limit*, Covey, K., Greene, T., Doppmann, G., Lada, C., & Wilking, B., **Astronomische Nachrichten**, v326, 886-890, 2005.
77. *Testing the inverse-Compton catastrophe scenario in the intra-day variable blazar S5 0716+71 I. Simultaneous broadband observations during November 2003*", Ostorero, L., Tartar, J. B., Wilking, B. A., and 82 co-authors, **Astronomy & Astrophysics**, v451, 797-807, 2006.
78. *HST/NICMOS Observations of NGC 1333: The Ratio of Stars to Sub-stellar Objects*, Greissl, J., Meyer, M. R., Wilking, B. A., Fanetti, T., Schneider, G., Greene, T. P., and Young, E., **Astronomical Journal**, v133, 1321-1330, 2007.
79. *Time-Resolved AU-Scale Jets Traced by Masers in the IRAS-4A/B Regions in NGC 1333*, Marvel, K., Wilking, B., Claussen, M., & Wootten, H., **Astrophysical Journal**, v685, 285-297, 2008.
80. *Star Formation in the Rho Ophiuchi Molecular Cloud*, Wilking, B. A., Gagné, M., & Allen, L. E., invited review chapter in **Handbook of Star Forming Regions, Vol. II The Southern Sky**, ASP Monograph Series Vol. 5, ed. B. Reipurth, (ASP: San Francisco), 351-380, 2008.
81. *Infrared Spectra of Young Stars Embedded in the R Coronae Australis Cloud Core*, Meyer, M. R. & Wilking, B. A., **Publications of the Astronomical Society of the Pacific**, v121, 350-358, 2009.
82. *The Initial Mass Function and Disk Frequency of the Rho Ophiuchi Cloud: An Extinction-Limited Sample*, Erickson, K. L., Wilking, B. A., Meyer, M. R., Robinson, J. G., & Stephenson, L. N., **Astronomical Journal**, v142, 140-159, 2011.
83. *A Proper Motion Study of Water Masers Associated with the Young Star Haro 6-10: Evidence for a Subarcsecond Binary*, Wilking, B. A., Marvel, K., Gerling, B. M., Claussen, M. J., Wootten, H. A., & Gibb, E. L., submitted to **Astrophysical Journal**, 2011