

Michael R. Meyer

EDUCATION:

1989, Bachelor of Arts in Physics, Washington University in St. Louis.

1991, Master of Science in Physics, The University of Missouri, St. Louis.

1996, Doctor of Philosophy in Astronomy, University of Massachusetts at Amherst.

APPOINTMENTS:

1995-1997, Scientific Staff, Max-Planck-Institut für Astronomie, Heidelberg.

1997-2000, Research Fellow, Steward Observatory, U. of Arizona, Tucson, AZ.

2000-2006, Assistant Professor/Astronomer, The University of Arizona.

2006-2009, Associate Professor/Astronomer, The University of Arizona.

2007-2008, Visiting Professor, Harvard-Smithsonian Center for Astrophysics.

2009-2016, Chair of Star and Planet Formation, ETH, Zürich.

2016-present, Professor of Astronomy, The University of Michigan.

RECENT RELEVANT PUBLICATIONS:

- Bowens, R., Meyer, M.R. et al. "Exoplanets with ELT-METIS. I. Estimating the direct imaging exoplanet yield around stars within 6.5 parsecs", 2021, A&A, V653, 8.
- Pathak, P. et al. "High-contrast imaging at ten microns: A search for exoplanets around Eps Indi A, Eps Eri, Tau Ceti, Sirius A, and Sirius B", 2021, A&A, V652, 121.
- Vigan, A., Fontanive, C., Meyer, M. et al "The SPHERE infrared survey for exoplanets (SHINE). III. The demographics of young giant exoplanets below 300 au with SPHERE", 2021, A&A, V651, 72.
- Quanz, S.P. et al. "Large Interferometer For Exoplanets (LIFE): I. Improved exoplanet detection yield estimates for a large mid-infrared space-interferometer mission", 2021, A&A, submitted (arXiv:2101.07500).
- Bowens, R., Viges, E., Meyer, M.R. et al. "The Michigan infrared test thermal ELT N-band (MITTEN) cryostat", 2021, SPIE, V11447, 1144737.

SCIENTIFIC, TECHNICAL, AND MANAGEMENT EXPERIENCE:

Dr. Meyer has over 30 years of research experience in infrared astronomy, star and planet formation as well as exoplanet research including developing instrumentation for ground- (mid-IR cameras on UKIRT, MMT and Magellan, ERIS on ESO's VLT, and METIS for ESO's ELT) and space-based telescope instruments (NIRCam and NIRISS for JWST, the Swiss-led CHEOPS mission and studies for the precursor of ESA's selected ARIEL mission and SPICA). He has also been PI of one of the first Spitzer Space Telescope Legacy Science Programs "Formation and Evolution of Planetary Systems" (FEPS; 2001-2009), and Deputy-PI for the University of Arizona Laplace node of the NASA Astrobiology Institute (2003-2008). He served as Chair of the Executive Committee of the NASA Exoplanet Analysis Group (ExoPAG) and the NASA Astrophysics Advisory Committee from 2019-2022, and the Science Advisory Committee for SRON, the Dutch Space Agency (2017-present). He is lead of Working Group 4 (statistics) for the SPHERE SHINE GTO Survey, co-I of the METIS instrument for the ESO 39 meter telescope, as well as member of the 30 meter TMT International Science Definition Teams for Exoplanets and Star and Planet Formation. He is also a member of the US ELT Program Advisory Group and the Strategic Advisory Committee for the National Science Foundation's Optical/Infrared Laboratory (NOIRLab).