

Michael R. Meyer

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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.

HONORS AND AWARDS:

1997-2000, Hubble Fellowship, Space Telescope Science Institute.
2003-2006, Cottrell Scholar Award, The Research Corporation.
2007, Blitzer Award for Teaching, College of Science, The University of Arizona.
2014, JWST NASA Achievement Award (as member of CSA NIRISS Core Team).

MAJOR PROJECTS:

- 1997-2000 NASA Ad Hoc Science Working Group, Next Generation Space Telescope (now the James Webb Space Telescope, JWST).
- 2001-2008, PI of the “Formation and Evolution of Planetary Systems”, among the first Legacy Science Programs selected for NASA’s Spitzer Space Telescope.
- Since 2001 Co-I, Star/Planet Formation Lead, NIRCam, (PI: M. Rieke) for JWST.
- Since 2003 Instrument Science Team, NIRISS (PI: R. Doyon) for JWST.
- 2003-2008, Deputy-PI of the Arizona Node of the NASA Astrobiology Institute.
- 2003-2008 Member, Science Working Group, Giant Magellan Telescope.
- 2010-2013 Co-I and Swiss Lead for ESA EChO Mission Concept Study.
- 2010-2015 Co-I and Swiss Lead for the joint ESA/JAXA SPICA Mission.
- 2010-2016 Co-I and Swiss Lead for Mid-IR Instrument Concept for the ESO 39 meter telescope, serving as Project Scientist in 2013-2014.
- 2011-2016 Co-I (and member of Core Science Team) for Swiss-led CHEOPS exoplanet transit characterization mission to be launched in 2017.
- 2012-2016 Co-I for the ERIS high-resolution imager for the ESO 8 meter VLT.

PUBLICATIONS:

Over 194 refereed publications with more than 9,600 citations yielding a Hirsch index of 57 (as of February 27, 2019). In addition, 12 invited reviews, and over 180 contributed abstracts and manuscripts, including more than 40 instrumentation papers in the Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE, a non-refereed journal which accompanies a major astronomical instrumentation conference every other year).

SCIENTIFIC, TECHNICAL, AND MANAGEMENT EXPERIENCE:

Dr. Meyer has 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). 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 currently serves on the Executive Committee of the NASA Exoplanet Analysis Group (ExoPAG), the Science Advisory Committee for SRON, the Dutch Space Agency, and as PI of the GeoSnap detector test program (funded by the Templeton World Charity Fund). He retains membership on the METIS Science Team (instrument selected for the 39 meter E-ELT), as well as membership on the 30 meter TMT International Science Definition Teams for Exoplanets and Star and Planet Formation. He is a member of the US ELT Program Advisory Group, and the NASA Cross-Program Science Analysis Group (SAG-10) Multi-wavelength Capabilities in Space Panel.