

# Paul Martini

Professor of Astronomy  
The Ohio State University  
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## Education

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<b>The Ohio State University</b> <i>Ph.D. in Astronomy</i>	<b>2000</b> <i>Columbus, OH</i>
<b>The Ohio State University</b> <i>M.S. in Astronomy</i>	<b>1998</b> <i>Columbus, OH</i>
<b>Temple University</b> <i>B.S. in Physics, Summa Cum Laude</i>	<b>1995</b> <i>Philadelphia, PA</i>

## Employment

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<b>The Ohio State University</b> <i>Professor of Physics (courtesy appointment)</i>	<b>2021 – Present</b> <i>Columbus, OH</i>
<b>The Ohio State University</b> <i>Professor of Astronomy</i>	<b>2015 – Present</b> <i>Columbus, OH</i>
<b>Harvard University</b> <i>Fellow, Radcliffe Institute for Advanced Study</i>	<b>2020 – 2021</b> <i>Cambridge, MA</i>
<b>National Radio Astronomy Observatory</b> <i>Visiting Astronomer</i>	<b>2012 – 2013</b> <i>Charlottesville, VA</i>
<b>University of Virginia</b> <i>Visiting Professor</i>	<b>2012 – 2013</b> <i>Charlottesville, VA</i>
<b>The Ohio State University</b> <i>Associate Professor</i>	<b>2011 – 2015</b> <i>Columbus, OH</i>
<b>The Ohio State University</b> <i>Assistant Professor</i>	<b>2005 – 2011</b> <i>Columbus, OH</i>

## Honors and Awards

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- APS Fellow, 2022
- Radcliffe Summer Fellow, Radcliffe Institute for Advanced Study, Harvard University, 2022
- AAAS Fellow, 2020
- Radcliffe Fellow, Radcliffe Institute for Advanced Study, Harvard University, 2020–2021
- Clay Fellowship, Harvard-Smithsonian Center for Astrophysics, 2003–2005
- Hubble Fellowship (declined), 2003
- Carnegie Starr Fellowship, 2000–2003
- Ohio State University Presidential Fellowship, 1999–2000
- Phi Beta Kappa, Temple University, 1995

## Select Community and Collaboration Service

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- **Dark Energy Spectroscopic Instrument:** Instrument Scientist (2016-2021), DEI Committee Chair (2020-2023), Ombudsperson (2020-2022), Stage-V Implementation Task Force Co-Chair (2023-), Spokesperson Search Committee Chair (2023), DR2 BAO Co-Coordinator
- **American Astronomical Society:** Prize Committee Selection, Fellows Committee Selection
- **Gemini Observatory:** Science and Technical Advisory Committee (2013-2017), Chair (2014-2017)
- **Chandra X-ray Observatory:** Users Committee (2013-2017)
- **Conference Leadership:** SOC Chair, Gemini 2016 Meeting; SOC Member, LBTO 2014 Meeting
- **Dark Energy Survey:** QSO WG co-chair (2008-2016), Science Committee (2008-2016), Science Verification Squad (2012-2013), Speaker's Bureau (2013-2021)
- **Grant Reviews:** DOE Review Panels (Comparative Review, Early Career); NSF (AAG, MRI, Management), NHFP, and NASA Postdoctoral Fellowship panels
- **Time Allocation Panels:** Hubble Space Telescope, Spitzer Space Telescope, Chandra Space Telescope, NRAO

## Instrumentation Projects

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- **DESI:** Dark Energy Spectroscopic Instrument. Instrument Scientist (2016–2021). Commissioned 2019.
- **KOSMOS and COSMOS:** Kitt Peak and Cerro Tololo OSMOS (PI). Commissioned 2013–2014.
- **MODS:** Multi-Object Double Spectrographs for the LBT. Project Scientist (2007–2014).
- **OSMOS:** Ohio State Multi-Object Spectrograph (PI). Commissioned 2010.
- **MMIRS:** MMT/Magellan Multislit IR Spectrograph. Instrument Scientist (2003–2005). Commissioned 2009.
- **PANIC:** A near-infrared camera for the Magellan Telescopes. Commissioned 2003.

## Select Publications

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1. *DESI DR2 results. II. Measurements of baryon acoustic oscillations and cosmological constraints*, Abdul Karim, M., et al. 2025, *Phys. Rev. D*, 112, 083515.
2. *DESI DR2 results. I. Baryon acoustic oscillations from the Lyman alpha forest*, Abdul Karim, M., et al. 2025, *Phys. Rev. D*, 112, 083514.
3. *OzDES Reverberation Mapping Programme: Mg II lags and R-L relation*, Yu, Z., Martini, P., et al. 2023, *MNRAS*, 522, 4132.
4. *Overview of the Instrumentation for the Dark Energy Spectroscopic Instrument*, DESI Collaboration, et al. 2022, *Astron. J.*, 164, 207.
5. *H I Kinematics along the Minor Axis of M82*, Martini, P., et al. 2018, *Astrophys. J.*, 856, 61.
6. *The Dark Energy Survey: more than dark energy - an overview*, DES Collaboration, et al. 2016, *MNRAS*, 460, 1270.
7. *Stellar Velocity Dispersion Measurements in High-luminosity Quasar Hosts and Implications for the AGN Black Hole Mass Scale*, Grier, C. J., Martini, P., et al. 2013, *Astrophys. J.*, 773, 90.
8. *The Cluster and Field Galaxy Active Galactic Nucleus Fraction at  $z = 1-1.5$* , Martini, P., et al. 2013, *Astrophys. J.*, 768, 1.
9. *The Mass-Metallicity Relation with the Direct Method on Stacked Spectra of SDSS Galaxies*, Andrews, B. H., & Martini, P. 2013, *Astrophys. J.*, 765, 140.
10. *The Ohio State Multi-Object Spectrograph*, Martini, P., et al. 2011, *PASP*, 123, 187.
11. *A Physical Model for the Origin of Quasar Lifetimes*, Hopkins, P. F., et al. 2005, *Astrophys. J.*, 625, L71.
12. *Quasar Clustering and the Lifetime of Quasars*, Martini, P., & Weinberg, D. H. 2001, *Astrophys. J.*, 547, 12.