

Dr. Jason Rhodes

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EDUCATION:

- Princeton University, Ph.D. Physics, 1999; MA Physics, 1996
- Harvey Mudd College, Claremont, CA, BS with High Distinction, Physics, 1994

EMPLOYMENT:

- 2004-present **Scientist** at NASA's Jet Propulsion Laboratory and Visiting Scholar at the California Institute of Technology, Pasadena, CA; Promoted to **Principal Scientist** (2014) and **Senior Research Scientist** (2016)
- 2015-present **Visiting Senior Scientist** at the Kavli Institute for Physics and Mathematics of the Universe (IPMU), Kashiwa, Japan
- 2003-2004 **Postdoctoral Scholar and SuperNova Acceleration Probe (SNAP) Weak Lensing Project Scientist** at the California Institute of Technology
- 2000-2003 **National Research Council Research Associate** at NASA GSFC
- 1999-2000 **Track Athlete** with Reebok Enclave in Washington, DC

SECURITY CLEARANCE:

- Secure Compartmented Information (SCI) Clearance, 2021-present

SELECTED ACTIVITIES AND RESPONSIBILITIES:

- Science, Technology, and Architecture Review Team (START) for the NASA Habitable Worlds Observatory (HWO), 2024-present
- Astrophysics Theme Lead for HWO, 2024-present
- JPL Astrophysics and Space Science Assistant Section Manager, 2023-2024
- Founding Member of the 20-member Euclid Consortium Board (ECB) that governs the ~2000-member Euclid Consortium, 2008-present
 - Selected by peer review to officially represent NASA on the ECB in 2012
 - ECB Deputy Chair 2020-2021; Chair 2022-2023 (elected by European peers)
- NASA Representative on the 13-member ESA Euclid Science Team, 2013-present
- US Science Lead for the ESA-led Euclid mission and PI of a ~\$40M NASA grant "Understanding Dark Energy and Gravity with Euclid", 2013-2031
 - Lead a ~80-person NASA-funded science team
- Member of NASA Joint Dark Energy Mission Interim Science Working Group, 2009-2010, NASA Wide Field Infrared Survey Telescope (WFIRST) Science Definition Team, 2011 – 2015; WFIRST/Roman Formulation Science Working Group 2016-2021
- Nancy Grace Roman Space Telescope JPL Project Scientist (2015-present, >\$4B NASA mission) & NASA Euclid Deputy Project Scientist (2012-present, ~\$200M NASA investment)
 - Project Scientist for the \$400M Roman Coronagraph Instrument
 - Roman/Subaru Steering Committee, 2018-present
- Founding member of the Tri-Agency (DOE/NASA/NSF) Tri Project (Euclid/Roman/Rubin) task force, 2012-present
 - Extensive contacts at all three major US space science agencies (NASA, NSF, DOE)
- Lead JPL Co-I on the Superpressure Balloon Imaging Telescope (SuperBIT) program, 2016-present
- JPL Bue Skies Study Lead "The End of Galaxy Surveys" 2020-2021

- NASA IRTF/Keck Users Group (NIKUG), 2016-2019
- Executive Committee of the NASA Physics of the Cosmos Program Analysis Group (PhysPAG), 2011-2014
- US Lead for the Cosmological Advanced Survey Telescope for Optical and uv Research (CASTOR) Canadian Space Agency mission concept, 2018-present
- Founder of JPL/Caltech Optical Observatories (COO) Precision Projector Laboratory (PPL) used to characterize Roman, Euclid, JWST detectors, 2007-present
- Vera Rubin Observatory Legacy Survey of Space and Time (LSST) Dark Energy Science Collaboration (LSST-DESC) Full Member
 - Member of the 5-person LSST-DESC Advisory Committee, 2017-2021 (Chair 2019-2021)
- Invited reviewer for NASA ROSES, HST, and Keck proposals; Italian, Chilean, UK, Dutch, and Canadian research grants
- Member of Review Boards for JPL Strategic, Spontaneous and Topical RTD; PDRDF; Blue Skies Studies
- Co-Lead of the “Airships: A New Horizon for Science” Keck Institute for Space Studies workshops series, 2013
- PI of the NASA@Work Airships 20-20-20 Centennial Challenge development, 2014
- DOE/NSF Review Boards for DESI and CMBS4, 2019-present
- Supervised 20 postdocs at JPL, 2004-present

SELECTED PUBLIC OUTREACH:

- Public outreach including multiple appearances on NOVA, Through the Wormhole, Japanese TV, South by Southwest (SXSW), two prestigious Von Karman Lectures at JPL and Caltech (one with 1100 attendees), Podcasts including Neil DeGrasse Tyson & Brian Greene, and Planetary Radio

SELECTED AWARDS AND HONORS:

- Harvey Mudd College Outstanding Alumnus Award, 2024
- JPL Voyager Awards for exceptional performance as JPL Roman (WFIRST) Project Scientist, 2016, 2018; leadership in Euclid 2023
- JPL Team Bonus Awards for organizing Keck Spectroscopic program, 2016; for WFIRST leadership, 2018 & 2021; for Quantum Sensing Initiative, 2020
- NASA Group Achievement Award for WFIRST, 2017
- NASA@Work Award 2015 for Airships Challenge
- National Academy of Science/Kavli Foundation Fellow, 2015-present
- JPL Explorer Award for developing the Precision Projector Laboratory and ESA/NASA Euclid leadership, 2012
- JPL Mariner Awards for leadership in the international weak lensing community, 2007; using weak lensing to map the distribution of dark matter in space, 2011
- JPL Lew Allen Award (early career award), 2007

SELECTED TRAINING COURSES:

- NASA International Project Management (IPM) Course (APPEL-IPM #19) at Kennedy Space Center, 2018
- “Inside Congress: Understanding the Legislative Process,” Brookings Institution in Washington, DC, 2018
- JPL Project Managers Training Course, 2016

LINK TO REFEREED PUBLICATIONS: [Publications](#)