

Exoplanet Exploration Program Overview

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NASA Exoplanet Exploration Program

Astrophysics Division, NASA Science Mission Directorate

NASA's search for habitable planets and life beyond our solar system

Program purpose per Charter From the Astrophysics Division

- 1. Discover planets around other stars
- 2. Characterize their properties
- 3. Identify candidates that could harbor life



ExEP serves the Science Community and NASA:

- As a focal point for exoplanet science and technology
- By integration of cohesive strategies for future discoveries

https://exoplanets.nasa.gov

NASA Exoplanet Exploration Program

Space Missions Concept Studies

Large- and Probe-Scale Mission Concepts





Exoplanet Communications





Supporting Research & Technology

Key Sustaining Research



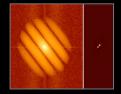
NN-EXPLORE



Large Binocular Telescope Interferometer



Keck Observations



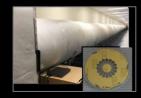
High Resolution Imaging

Technology Development





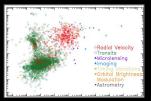
Coronagraph Technology Development





Starshade Technology Development (S5)

NASA Exoplanet Science Institute (NExScI)







Archives, Tools, Sagan Program, Professional Engagement

NASA Exoplanet Exploration Program

Astrophysics Division, Science Mission Directorate



Program Office (JPL)

PM - Dr. G. Blackwood DPM - Vacant Chief Scientist - Dr. K. Stapelfeldt Chief Technologist - Dr. N. Siegler



Program Analysis Group (ExoPAG)

Dr. M. Meyer, EC chair Dr. H. Jang-Condell, DPS



Program Science Office

PCS - Dr. K. Stapelfeldt DPCS - Dr. E. Mamajek Scientist - Dr. T. Kataria Program Post Doc - Dr. J. Burt



Program Engineering Office

Chief Engineer - K. Warfield optical Engineer - Dr. R. Morgan System Engineer - R. Lock



Technical Assessment Committee (ExoTAC)

Dr. A. Boss. chair



Program Business Office

Manager - R. Lemus



Business Operations

Program Bus. Mgr. M. Romejko



Program Development Management



Manager - Dr. J. Callas,

High Resolution Imaging Project



Manager - A. Biferno



NN-EXPLORE Project

PM - Dr. J. Callas. JPL PI - Dr. S. Mahadevan, PSU **Project Scientist** - Dr. B.J. Fulton, CIT



Program Technology (JPL)

Manager - Dr. N. Siegler Deputy - Dr. B. Crill Dpy Manager - Dr. P. Chen Program Post Doc- Dr. A. Pot



LBTI Project

PM - Dr. P. Willems, JPL PI - Dr. P. Hinz, UCSC/UA PS - Dr. C. Gelino, CIT





Manager - A. Biferno



High Resolution Imaging Project (ARC)

PI - Dr. S. Howell ExoFOP - Dr. D. Ciardi. CIT



NExScI

Ex Dir - Dr. C. Beichman, JPL/CIT Dep Dir - Dr. D. Gelino, CIT Chief Scientist - Dr. D. Ciardi, CIT NExScI Mar - Dr. S. Carev. CIT



Starshade Technology Project (JPL)

PM - Dr. P. Willems PS - Dr. R Hu







Key Staff Changes Since Last ExoPAG

Moving Forward from ExEP to New Assignments at JPL and ARC

Thank You!







Kepler Project
(ARC)

PM (Former) – M. Fujieh PS (K2) (Former) – Dr. J. Dotson



A Few Highlights

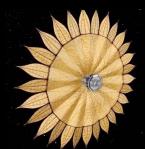
Others Covered in Subsequent Presentations

- Support to Roman CGI
 - High Contrast Imaging Testbed
- Starshade
 - Technology and Science Working Group
 - Science and Industry Partnership
 - Exoplanet Data Challenge Awards
- ExoComm
 - Galaxy of Horrors
 - Coloring Book
 - Multilingual posters

















exoplanets.nasa.gov

Acknowledgements

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