Author Submission

Conference: Interferometry in Space (AS19)
Chairs: Michael Shao

Temporary Paper Number #: 538
Presentation Type: Oral Presentation
Submitted: 27 January

Title:
The Search for Exo-Planets with SIM

Principal Author:
Michael Shao

Secondary Authors:
G. Marcy UC Berkeley
C. Beichman JPL

Abstract:
This paper gives an overview of the three SIM key projects that search for Planets outside of our solar system. The SIM planet search program has 3 major components. The first a deep search is aimed at looking for terrestrial planets in the habitable zone around the nearest ~200 stars. The second is aimed at a broad survey of ~2000 stars down to Neptune mass planets to study the morphology of planetary systems around a wide variety of stellar types. The third and last is a search for planets in star forming regions, looking at the birth and early evolution of planetary systems.

Principal Author Affiliation:
Jet Propulsion Lab.
4800 Oak Grove dr
MS 301-486
Pasadena, CA 91109
USA
Phone: 818 354 7834
Fax: 818 393 9471
Email: mshao@huey.jpl.nasa.gov

Principal Author Biography:
PI for SIM key project on search for extra solar planets

Correspondence for Secondary Authors:
G. Marcy
417 Campbell Hall
UC Berkeley, Berkeley, CA 94720
gmarcy@astro.berkeley.edu
510-642-1952

C. Beichman
JPL 180-703
4800 Oak Grove Dr
Pasadena CA 91109
charles.beichman@jpl.nasa.gov
818-354-8174

Keywords:
planet search, astrometry