

Community Research Support Needs Panel Discussion

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Wide-Field IR Surveys: Science & Techniques

Background

- The SOC saw an opportunity in this conference to discuss both pre-launch and post-launch community needs to enable efficient science exploitation
 - Direct connection to science talks
- This panel discussion is exploratory, not systematic. Built around 2 contributed talks that addressed such needs
- This is an open discussion – please contribute

Why isn't WFIRST-AFTA Just Another Great Observatory?

- Instruments make for a different GO program
 - Imager: Huge data sets in short time, large FOV, timing as a coordinate (cadence)
 - Coronagraph: Data analysis itself is research
- Most research may well be done in Archival Mode
 - Leveraging large surveys (LHC, Bulge, MW, etc)
 - Implications for Tools, information, funding
- Theory and computation-intensive data analysis
- Ancillary data: keeping up will be a challenge
 - Spectroscopy follow-up
 - Complementary surveys

Panel

- Vandana Desai
 - *Synergies with Archival All-Sky IR Surveys*
- Sally Heap
 - *20 Questions for the WFIRST-AFTA Archives*
- Michael Schneider
 - *Connecting Theory to Observations: Modeling & Computing Requirements*
- Roeland van der Marel
 - *Calibration Needs, Analysis Tools, and Other Considerations*
- Danny Dale
 - *Questions from the Community*
- Jennifer Yee
 - *Research to Support WFIRST (Microlensing) Exoplanet Science*