

Monday, June 26

8-9AM: Registration

Session 1: Setting the Stage

Moderators: David Law and Molly Peeples

9-9:15AM: Ken Sembach – Welcome from STScI

9:20-9:30AM: Dominic Benford – Welcome from the WFIRST project

9:30-10:15AM: David Weinberg – From Planets to Dark Energy: Forecasting the Astronomical Landscape for WFIRST

10:15-10:45: AM break with pastries and coffee

Session 2: High- $z$  science/cosmology

Moderator: Peter Capak

10:45-11:15: Steve Finkelstein – A Large-Scale View of Reionization with WFIRST HLS and GO Imaging and Spectroscopic Surveys

11:15-12:15: 3 contributed talks:

Dan Scolnic – Supernova Surveys In The 2020s

Rychard Bouwens – The Brightest  $z \geq 8$  Galaxies: From Current Samples to Future Science with WFIRST, JWST, ALMA, and the ELTs

Jeffrey Newman – A Southern Spectroscopic Survey Instrument: Synergies with WFIRST

12:15-12:30: Lightning poster talks

12:30-1:30: Lunch

Session 3: Wide Area Surveys

Moderator: Molly Peeples

1:30-2:00PM: David Spergel – Surveying the Sky with WFIRST

2:00-2:30PM: Zeljko Ivezic – The synergies between LSST and WFIRST

2:30-3:30PM: 3 contributed talks:

Ben Granett – Mapping the dark universe with Euclid

Nao Suzuki – Optimizing WFIRST survey with LSST and Subaru/PFS: The Golden Triangle

Peter Melchior – A multi-band deblender for LSST and WFIRST

3:30-4:00: PM break with pastries and coffee

Session 4: Nearby Galaxies and the Local Group

Moderator: Karoline Gilbert

4:00-4:30: Julianne Dalcanton – The Near-Field at Wide-Field: Stellar Population Studies with WFIRST

4:30-5:30: Contributed talks:

Benjamin Williams – The WFIRST Infrared Nearby Galaxy Survey

Robyn Sanderson – Astrometry with the WFIRST WFI

Andrew Graus – What Do We Measure When We Measure Star Formation Histories?

Tuesday, June 27

Session 5: Time Domain Surveys

Moderator: Jeremy Kasdin

09:00-09:30: Jennifer Yee – Planet Populations with Microlensing

09:30-10:30: Contributed Talks:

Will Dawson – Testing Primordial Black Hole Dark Matter with WFIRST and LSST

Radek Poleski – Harnessing combined power of WFIRST and LSST for exoplanet characterization

Aparna Bhattacharya – Developing WFIRST Microlensing Exoplanet Mass Measurement Method

10:30-11:00: AM break with pastries and coffee

Session 6: Planets and Disks

Moderator: Rachel Akeson

11:00-11:30: Leslie Rogers – Exoplanets and Exodisks in the 2020s

11:30-12:30: Contributed talks:

Stefanie Milam – Observing the Solar System with WFIRST

Benne Holwerda – The Brown Dwarfs of the Milky Way Halo and Disk

Roberta Paladini – Constraining the Population of Galactic Young Stars with WFIRST

12:30-1:30: Lunch

Session 7: Narrow field facilities

Moderator: Aparna Bhattacharya

1:30-2:00: Al Wootten – Synergies between WFIRST and ALMA

2:00-2:30: Vernesa Smolcic – Long wavelengths and the SKA

2:30-3:00: Mark Dickinson – Synergies between the ELTs and WFIRST

3:00-3:30: PM break with pastries and coffee

Session 8: Break out sessions and demos:

Gerard Lemson – CASjobs / sciserver (part of Archives SIT)

Joseph Long – WFIRST simulation tools at STScI

Annika Peter and Leonidas Moustakas – fundamental dark matter physics with WFIRST and other facilities

Tim Eifler, Michael Schneider – Synergies with LSST

Rachel Akeson – Exploring non-exoplanet science with WFIRST's CGI

Leslie Rogers – Synergies with WFIRST's CGI and other coronagraphs

Others as arise a la “unconference” session

3:30-4:00: Session 8A groups

4:00-4:30: Session 8B groups

4:30-5:00: Reconvene in the auditorium, group discussion of break outs

*8:00pm – special public talk*

*Amber Straughn - Dark Energy and New Worlds: NASA's WFIRST Mission*

Wednesday, June 28

Session 9: Simulations

Moderator: Jason Rhodes

9-9:30AM: Risa Wechsler – Synergies with Simulations in the 2020s

9:30-10:50AM: Contributed talks:

Michael Schneider – Hierarchical Probabilistic Cosmic Shear

Tim Eifler – Systematics mitigation strategies for WFIRST cosmology

Elena Massara – Designing a cosmology emulator with on demand simulations

Melanie Simet - Cluster mass calibrations with future data sets

10:50-11:15: AM break w/ pastries and coffee

Session 10: Bringing it together; where do we go from here?

11:15-12:00: Moderated discussion