

# **WFIRST Meeting**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Update from HQ (Dominic Benford / Paul Hertz)

*Tuesday, March 3, 2020 9:10 AM (40 minutes)*

**Session Classification:** Mission Status

Contribution ID: 2

Type: **not specified**

## Update from Project (Jeff Kruk)

*Tuesday, March 3, 2020 9:50 AM (40 minutes)*

**Session Classification:** Mission Status

Contribution ID: 3

Type: **not specified**

## Observatory / WFI Plans Forward (Dave Content)

*Tuesday, March 3, 2020 11:00 AM (45 minutes)*

Access Dave's slides below. Authorized members only.

**Session Classification:** Plans for Addressing Actions from APMC

Contribution ID: 4

Type: **not specified**

## CGI Plans Forward (Vanessa Bailey)

*Tuesday, March 3, 2020 11:45 AM (45 minutes)*

**Session Classification:** Plans for Addressing Actions from APMC

Contribution ID: 5

Type: **not specified**

## **Reports from Breakouts (Jeremy Kasdin / David Spergel)**

*Wednesday, March 4, 2020 9:00 AM (30 minutes)*

**Session Classification:** Phase C Plans

Contribution ID: 6

Type: **not specified**

## **Concepts for Future Science Collaboration Structures (Julie McEnery)**

*Wednesday, March 4, 2020 9:30 AM (40 minutes)*

**Session Classification:** Phase C Plans

Contribution ID: 7

Type: **not specified**

## **AAS and Other Outreach (Claire Andreoli / Elisa Quintana)**

*Wednesday, March 4, 2020 10:10 AM (20 minutes)*

**Session Classification:** Phase C Plans



Contribution ID: **10**

Type: **not specified**

## **How to Maximize Potential for Archival Research? (Julie McEnery / All)**

*Tuesday, March 3, 2020 2:00 PM (30 minutes)*

**Session Classification:** WFI Breakout

Contribution ID: **11**

Type: **not specified**

## **HLS Optimization Study Results (Tim Eifler)**

*Tuesday, March 3, 2020 2:30 PM (30 minutes)*

**Session Classification:** WFI Breakout

Contribution ID: 12

Type: **not specified**

## **Maximizing Return from the Microlensing Survey (Scott Gaudi / Dave Bennett)**

*Tuesday, March 3, 2020 3:00 PM (30 minutes)*

**Session Classification:** WFI Breakout

Contribution ID: 17

Type: **not specified**

## **Introduction to the Data Management Concept for WFI (Erica Kolatch)**

*Wednesday, March 4, 2020 1:55 PM (45 minutes)*

**Session Classification:** WFI Breakout #2

Contribution ID: **18**

Type: **not specified**

## **Discussion of Design Concepts for SIT Software Functionality for DMS (Russell Ryan)**

*Wednesday, March 4, 2020 3:40 PM (45 minutes)*

**Session Classification:** WFI Breakout #2

Contribution ID: 19

Type: **not specified**

## **Ground System Update (Ken Carpenter / Roeland van der Marel (remote)/ Lee Armus)**

*Wednesday, March 4, 2020 11:00 AM (1 hour)*

**Session Classification:** Phase C Plans continued

Contribution ID: 20

Type: **not specified**

## **SOC S/W Workshop (Steve Crawford)**

*Wednesday, March 4, 2020 12:00 PM (15 minutes)*

Summary - Workshop itself in afternoon & later at STScI

**Session Classification:** Phase C Plans continued

Contribution ID: **21**

Type: **not specified**

## Welcome / Agenda (Jeremy)

*Tuesday, March 3, 2020 1:30 PM (10 minutes)*

**Session Classification:** CGI Breakout



Contribution ID: 22

Type: **not specified**

## **Impact of Bad DM Actuators & Unilluminated Actuator Drop (Hanying Zhou - remote)**

*Tuesday, March 3, 2020 1:40 PM (20 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 23

Type: **not specified**

## **OS 9 Description, Modeling Flow, and Results from Speckle Timeseries and Analytic Models (John Krist - remote)**

*Tuesday, March 3, 2020 3:30 PM (45 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 24

Type: **not specified**

## **Quick Highlights (ExCam FOV, filter params,...) (Vanessa Bailey)**

*Tuesday, March 3, 2020 5:00 PM (20 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 25

Type: **not specified**

## Turnbull Update (Maggie Turnbull)

*Tuesday, March 3, 2020 2:00 PM (30 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 26

Type: **not specified**

## **Macintosh Update (Bruce Macintosh - remote)**

*Tuesday, March 3, 2020 2:30 PM (30 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 27

Type: **not specified**

## **Flatfield Approach (Mark Colavita - remote)**

*Tuesday, March 3, 2020 4:15 PM (20 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 28

Type: **not specified**

## Exozodi (John Debes / Ewan Douglas)

*Tuesday, March 3, 2020 4:35 PM (15 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: 29

Type: **not specified**

## **CGI vs Future Missions (Laurent)**

*Tuesday, March 3, 2020 4:50 PM (10 minutes)*

**Session Classification:** CGI Breakout



Contribution ID: **30**

Type: **not specified**

## Discussion

*Tuesday, March 3, 2020 5:20 PM (15 minutes)*

**Session Classification:** CGI Breakout

Contribution ID: **31**

Type: **not specified**

## **HLS Image Simulation Pipeline (Michael Troxel)**

*Tuesday, March 3, 2020 4:00 PM (30 minutes)*

**Session Classification:** WFI Breakout

Contribution ID: 32

Type: **not specified**

## **Joint Processing of LSST, Euclid, WFIRST (Jason Rhodes / Peter Melchior - remote)**

*Tuesday, March 3, 2020 4:30 PM (30 minutes)*

**Session Classification:** WFI Breakout

Contribution ID: 33

Type: **not specified**

## **SPHEREx & WFIRST / SPHEREx Synergies (Olivier Doré)**

*Tuesday, March 3, 2020 5:00 PM (30 minutes)*

**Session Classification:** WFI Breakout

Contribution ID: 34

Type: **not specified**

## Requirements Validations

*Tuesday, March 3, 2020 5:30 PM (30 minutes)*

Continuation of project plan forward if needed

**Session Classification:** WFI Breakout

Contribution ID: 35

Type: **not specified**

## **Demonstration of the Science Platform and Introduction to the Calibration Software (Steve Crawford)**

*Wednesday, March 4, 2020 2:40 PM (45 minutes)*

**Session Classification:** WFI Breakout #2

Contribution ID: 36

Type: **not specified**

## **Discussion on Software Contribution Standards (Steve Crawford)**

*Wednesday, March 4, 2020 4:25 PM (30 minutes)*

**Session Classification:** WFI Breakout #2

Contribution ID: 37

Type: **not specified**

## **Organizational Meeting for WFIRST Day on the Hill (David Spergel)**

*Wednesday, March 4, 2020 1:30 PM (15 minutes)*

**Session Classification:** WFI Breakout #2



Contribution ID: **38**

Type: **not specified**

## **Introduction to WFIRST (Jeffrey Kruk)**

*Monday, March 2, 2020 9:00 AM (25 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 39

Type: **not specified**

## **The 2019-2020 Exoplanet Imaging Data Challenge, What Have We Learned So Far? (Julien Girard)**

*Monday, March 2, 2020 9:25 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 40

Type: **not specified**

## **High-Contrast Imaging of Binary Stars with WFIRST (Dan Sirbu)**

*Monday, March 2, 2020 9:55 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 41

Type: **not specified**

# **The Frequency of Free-Floating Planets and Earth-Analogs from Microlensing (Samson Johnson)**

*Monday, March 2, 2020 10:10 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 42

Type: **not specified**

## **Stellar Streams from Globular Clusters in the Local Universe (Sarah Pearson)**

*Monday, March 2, 2020 11:00 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 43

Type: **not specified**

## **Potential Systemics from Standardizing Our Standard Candles (Benjamin Rose)**

*Monday, March 2, 2020 11:15 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 44

Type: **not specified**

## **Lensing Effects of Dark Matter Substructure with WFIRST Astrometry (Siddharth Mishra-Sharma)**

*Monday, March 2, 2020 11:30 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 45

Type: **not specified**

## **WFIRST Mock Data Generation and Forward Modeling of SN IA Observations (Aleksandar Cikota)**

*Monday, March 2, 2020 11:45 AM (15 minutes)*

**Session Classification:** Science Jamboree



Contribution ID: 46

Type: **not specified**

## Poster Overview

*Monday, March 2, 2020 12:00 PM (30 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 47

Type: **not specified**

## **A New View of the Galaxy Size - Stellar Mass Distribution (Tim Miller)**

*Monday, March 2, 2020 2:00 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 48

Type: **not specified**

## **Astrometry with the WFIRST WFI (Robyn Sanderson)**

*Monday, March 2, 2020 2:15 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 49

Type: **not specified**

## Galaxy Burstiness with H Alpha (Adam Broussard)

*Monday, March 2, 2020 2:30 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 50

Type: **not specified**

## **Statistical Properties of $z > 0.4$ H $\alpha$ , [OIII], and [OII] Emitters: Implications for WFIRST (Ali Ahmad Khostovan)**

*Monday, March 2, 2020 2:45 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 51

Type: **not specified**

## **Semi-Analytic Forecasts for JWST-WFIRST Synergy (L.Y. Aaron Yung)**

*Monday, March 2, 2020 3:45 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 52

Type: **not specified**

## **Probing Patchy Reionization with the VPF in Simulated Laes at $z=6.5$ (Lucia Perez)**

*Monday, March 2, 2020 4:00 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 53

Type: **not specified**

## **LYA Emitters at Cosmic Dawn with Deep WFIRST Grism Survey (Isak Wold)**

*Monday, March 2, 2020 4:15 PM (15 minutes)*

**Session Classification:** Science Jamboree



Contribution ID: 54

Type: **not specified**

## WFIRST Conclusions, Games and Prizes

*Monday, March 2, 2020 5:15 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 55

Type: **not specified**

## **WFIRST Coronagraph Exoplanet Scene Simulations (Junellie Gonzalez Quiles)**

*Monday, March 2, 2020 9:40 AM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 56

Type: **not specified**

## **Insights from WFIRST on the Origin of the First Black Holes (Priya Natarajan - remote)**

*Monday, March 2, 2020 4:30 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 57

Type: **not specified**

## **Preparing for Type Ia Supernova Cosmology in the WFIRST Era (Kyle Dettman)**

*Monday, March 2, 2020 5:00 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 58

Type: **not specified**

# **Mapping High-Redshift Cosmic Web Filaments with Intrinsic Alignments of Elongated Protogalaxies (Viraj Pandya)**

*Monday, March 2, 2020 4:45 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: 59

Type: **not specified**

## **Added Speaker: Cyrille Doux**

*Monday, March 2, 2020 3:30 PM (15 minutes)*

**Session Classification:** Science Jamboree

Contribution ID: **61**

Type: **not specified**

## David Bennett

*Wednesday, March 4, 2020 1:45 PM (10 minutes)*

**Session Classification:** WFI Breakout #2