Space Telescope Science Institute
NEWSLETTER

Search

2017 - Volume 34 - Issue 03

STScI at the AAS 231: January 2018, Washington, D.C.

The Space Telescope Science Institute (STScI) will be at the 231st AAS meeting in Washington, D.C. with an exhibit booth and several associated events highlighting the missions we support for the research community. There will be technical presentations in instrument sessions, a wide variety of science presentations, press releases, NASA Hyperwall talks, and ample time to confer with *Hubble*, *JWST*, *WFIRST*, MAST, Human Resources, and other experts throughout the meeting and in the exhibit booth.

STScI at the AAS 231: January 2018, Washington, D.C.

The Space Telescope Science Institute (STScI) will be at the 231st AAS meeting in Washington, D.C. with an exhibit booth and several associated events highlighting the missions we support for the research community. There will be technical presentations in instrument sessions, a wide variety of science presentations, press releases, NASA Hyperwall talks, and ample time to confer with *Hubble*, *JWST*, *WFIRST*, MAST, Human Resources, and other experts throughout the meeting and in the exhibit booth.

Exhibit booth

Institute staff representing the *Hubble*, *JWST*, and *WFIRST* missions will be available at the Institute booth to provide information on new developments and updated status of these missions, and also to describe our upcoming initiatives for community user support. Institute experts will demonstrate the Mikulski Archive for Space Telescopes (MAST) portal and the archive capabilities, as well as new software products for data analysis.

The "Ask-an-Expert" feature will return to the Institute booth, offering one-on-one appointments to the science-user community on topics including instrument capabilities, proposal planning tools, pipeline products, and data analysis tools. This service will be available by signing up in-person or online.

Our interactive area this year will feature daily sessions of augmented reality, virtual reality, and touchscreen demonstrations. Come see the full-scale *JWST* model out at L2, in virtual reality, or learn about the LUVOIR mission, one of the four Decadal Survey Mission Concept Studies, using new STScI-developed tools. There will also be mission demonstrations of support tools for proposing and observing with *Hubble*, *JWST*, and *WFIRST*, in addition to opportunities to explore the three observatories with augmented reality.

Looking to get involved, share your science, and help inspire the next generation? Come find out ways in which you can become involved in NASA's Universe of Learning and help us engage learners of all ages from across the US.

JWST Town Hall

The *JWST* Town Hall will be your one-stop-shop for learning about the status of the mission, the tools needed to use it, and upcoming milestones. We will update the community on the status of the telescope, selected science programs, and the planning tools needed to prepare Cycle 1 *JWST* General Observer proposals. There will be ample time for questions. Speakers include NASA *JWST* Program Director Dr. Eric Smith, STScI Director Dr. Ken Sembach, *JWST* User Committee (JSTUC) chair Dr. James Bullock, and a slate of Director's Discretionary Early Release Science (DD-ERS) program PIs. Refreshments will be provided, courtesy of Northrop Grumman.

Inclusion Workshop

Excellence in astronomy means diversity and inclusion. Diverse and inclusive teams lead to collective achievements that are greater and more extraordinary than the sum of their individual contributions. Changing an institutional climate can be a daunting task, but a first step with an extraordinary impact can be as simple as posting a code of conduct in meeting rooms. In this workshop, we will share our own experiences in working towards a more equitable institution and will walk you through hands-on activities and break-out sessions designed to increase awareness of your identities and privileges, and translate that awareness into meaningful discussions about how we can all effect change at our home institutions. No one here is an expert on this subject, so we hope that we can all learn from each other. Registration is complementary with your AAS meeting registration. Please make any effort to register to allow the organizers to have a head count of the number of participants for proper planning.

Workshops, Events, And Sessions:

Format & Location	Title & Description	Date & Time
Workshop Potomac Ballroom D	**JWST Proposal Planning** *This workshop will describe how to use the JWST proposal and planning tools, with demos and hands-on sessions exploring the tools for different observing modes and instruments. Participants will perform hands-on exercises using these tools to plan observations for selected science cases.*	Jan. 7 8:30 am – 5:00 pm
Press Conference Chesapeake DE	**Press Releases** *New research advancements shared daily at live press conferences from the AAS Meeting.*	Jan. 9-11 10:15 am & 2:15 pm
Special Session Maryland Ballroom C	**Astrophysics Enabled by HST's UV Initiative** *The UV Astrophysics Legacy Initiative, in place since Cycle 21, recognizes HST's unique UV window and encourages proposals for this finite resource. This session will highlight the science outcomes of the UV initiative, set the landscape for future science at these wavelengths, and present the key role UV observations will have in interpreting results from future missions like JWST.*	Jan. 9 10:00 am - 11:30 am

Workshop National Harbor 7	**Concrete Steps to Make Your Workplace More Inclusive** *We will share our own experiences in working towards a more equitable institution and will walk you through hands-on activities and break-out sessions designed to increase awareness of your identities and privileges, and translate that awareness into meaningful discussions about how we can all effect change at our home institutions.*	Jan. 9 1:00pm – 4:00 pm
Special Session Potomac 1-2	**Learning with NASA Astrophysics: How to Get Connected** *In 2015, NASA's Science Mission Directorate selected multiple organizations to receive cooperative agreement awards aimed to collaboratively engage learners with NASA science content and experts. Representatives from several of these awards will discuss how they connect scientists and engineers with their products and programs. Come join us to find more about NASA's efforts and how you can be involved.*	Jan. 9 2:00 pm - 3:30 pm
Career Fair Maryland Ballroom C	**AAS Career Fair** *Are you in the market for a career in astronomy? Thinking of making a change? Would you like to mentor an early career astronomer? Network with employers and potential employees. Learn about the many career services offered by the AAS, especially those offered onsite at the 231st meeting. Employers will meet and greet with attendees.*	Jan. 9 6:30 pm - 8:00 pm
Town Hall Potomac Ballroom C	**JWST Town Hall** *Mission updates and milestones from speakers including the Webb Program Director, Chair of the User Committee, STScI Director, and several DD-ERS PIs. Come find out the latest mission and science updates and ask any questions you still have about NASA's next Great Observatory!*	Jan. 9 6:30 pm - 8:30 pm
Special Session National Harbor 6	**Exoplanet Science with WFIRST** *As the next Great Observatory following JWST, WFIRST is designed to address some of the biggest questions facing modern astrophysics. In this session, community astronomers will discuss WFIRST exoplanet themes and upcoming data challenges. NASA and WFIRST science team members will also update the community on the status of the mission and WFIRST's coronagraphy capabilities.*	Jan. 10 10:00 am – 12:00 pm
Splinter Session Chesapeake H	**Origins Space Telescope: Face to Face Meeting** *The Science and Technology Definition Team (STDT) will hold its seventh face-to-face meeting. All meetings in this series are open to members of the astronomical community.*	Jan. 10 1:30 am – 5:00 pm

Special Session Location National 6	**Astrophysics with WFIRST** *As the next Great Observatory following JWST, WFIRST is designed to address some of the biggest questions facing modern astrophysics. In this session, community astronomers will discuss WFIRST wide-field imaging capabilities for stellar, galactic, and extragalactic astrophysics. NASA and WFIRST science team members will also update the community on the status of the mission and WFIRST's Wide Field Instrument.*	Jan. 10 2:00 pm – 4:00 pm
Splinter Session Chesapeake 7-8	**What can I do with LUVOIR?** *Over the last year, the first of two LUVOIR observatories (15-m diameter telescope and instrument suite) has been specified and designed. In this meeting, we'll start by briefly introducing you to LUVOIR's science goals: characterizing a wide range of exoplanets, including those that might be habitable and a broad range of additional astrophysics topics. LUVOIR is one of four Decadal Survey Mission Concepts currently being studied in preparation for the Astro2020 Decadal Survey.*	Jan. 10 2:00 pm – 3:30 pm
Special Session National Harbor 3	**Astronomy Visualization in Research, Outreach, and Entertainment** *Over the past few decades, as computer graphics capabilities have grown markedly, the visualization of astronomy data has advanced considerably. Learn the considerations, techniques and trade secrets of depicting astronomy data, images, and ideas in the most effective ways to a wide variety of audiences.*	Jan. 11 2:00 pm - 3:30 pm

NASA Hyperwall Presentations

Title	Speaker	Date & Time
The Multi-Wavelength Universe Making Great Observations Even Better	Rachel Osten	**Jan. 9 12:00-12:15 pm**
Astrophysics Enabled by HST's UV Initiative	Daniela Calzetti	**Jan. 9 5:45-6:00 pm**
First Galaxy Quest: Exploring the High Redshift Universe with JWST	Mia Bovill	**Jan. 10 9:30-9:45 am**
Telescopes as Time Machines	Jason Kalirai	**Jan. 10 12:15-12:30 pm**
The Search for Life	Joel Green	**Jan 10. 12:30-12:45 pm**
Worlds Beyond Imagination: Characterizing Exoplanets with JWST	Nikole Lewis	**Jan. 10 1:15-1:30 pm**
Weaving A Webb Story: Communicating Science for JWST	Alexandra Lockwood	**Jan. 10 5:30-5:45 pm**
How Did We Get Here: Insights from NASA's Great Observatories	Joel Green	**Jan. 11 4:45-5:00 pm**
Search for Life with the Origins Space Telescope	Kevin Stevenson/Tiffany Kataria/Jonathan Fortney	**Jan. 11 5:15-5:30 pm**
HST Science in Preparation for the JWST Era	Jason Kalirai	**Jan. 11 5:30-5:45 pm**
Visualizing the Orion Nebula in Visible and Infrared Light	Frank Summers	**Jan. 11 5:45-6:00 pm**
Navigating the Universe of Images: AstroPix and WorldWide Telescope	Robert Hurt	**Jan. 12 12:00-12:15 pm**

Search

Getting in Touch

The Institute's website is: **http://www.stsci.edu**.

Assistance is available at *help@stsci.edu* or 1-800-544-8125.

International callers can use 1-410-338-1082.

For current *Hubble* users, program information is available at:
http://www.stsci.edu/hst/scheduling/program_information.

The current members of the Space Telescope Users Committee (STUC) are:

Keren Sharon (Chair), University of Michigan, *kerens@umich.edu*

Stéphane Charlot, Institut d'Astrophysique de Paris
Rupali Chander, University of Toledo
Dawn Erb, University of Wisconsin – Milwaukee
Cynthia Froning, University of Texas at Austin
Ana Ines Gomez de Castro, Universidad Complutense de Madrid
Søren Larsen, Radboud University Nijmegen
Mercedes López-Morales, Harvard-Smithsonian Center for Astrophysics
Amy Simon, NASA/GSFC
Patrick Slane, Chandra X-ray Center; Harvard-Smithsonian Center for Astrophysics
Benjamin Williams, University of Washington

The production team of the *Space Telescope Science Institute Newsletter* invites your comments and suggestions:

Chief Science Advisor: Carol Christian, *carolc@stsci.edu*
Editor: Ann Jenkins, *jenkins@stsci.edu*
Contents Manager: Sharon Toolan, *toolan@stsci.edu*
Design: Pam Jeffries, *jeffries@stsci.edu*