

# Cosmic Origins-Relevant Activities at the AAS

## Tuesday, January 3

10 am – 12 noon

**NASA COPAG UV/Vis Science Interest Group**, Hilton\*, Pheasant Ridge

**NASA COPAG Cosmic Dawn Science Interest Group**, Hilton\*, Piney Woods

1:30pm – 6:00pm

**NASA PAG Joint PAG meeting**, Hilton\*, Val Verde

1:30pm – 3:00pm State of NASA Astrophysics Division, Paul Hertz (NASA HQ)

3:00pm – 3:30pm ESA L3 Study (Gravitational Waves), David Shoemaker (MIT)

4:00pm – 4:30pm Lynx (X-ray Surveyor) Study, Alexi Vikhlinin (SAO)

4:30pm – 5:00pm Origins Space Telescope (Far-IR Surveyor) Study, Margaret Meixner (STScI)

5:00pm – 5:30pm Habitable Exoplanet Mission (HabEx) Study, Scott Gaudi (OSU)

5:30pm – 6:00pm LUVOIR Study talk, Brad Peterson (OSU & STScI) and Debra Fischer (Yale)

\* COPAG and Joint PAG meetings will be at DFW Lakes Hilton, 6 min. drive from Gaylord. Buses will provide transportation between the Gaylord and the Hilton:

**Bus, Gaylord to Hilton** 8:30am– 10:00am (looping) and at 1:00pm (one-way), Gaylord departure from valet parking.

**Bus, Hilton to Gaylord** 6:00pm – 7:00pm (looping), and at 7:30pm (one-way), departure at front entrance to Hilton.

### Other Transportation options:

**Free shuttle, DFW airport to Hilton DFW Lakes:** After claiming luggage, contact dispatcher at 817 410 6778.

**Grapevine Taxi:** 817-501-2675

**Southlakes Grapevine Taxi:** 214-802-2541

**Uber:** <https://get.uber.com/>

**Lyft:** <https://www.lyft.com>

7:00pm – 8:30pm

**Meet the COPAG EC: Paul Scowen (chair)**, COR Table, NASA Booth, Exhibit Hall

7:15pm – 7:30pm

Hyperwall talk: “The Beginning of the JWST Science Mission”, Klaus Pontoppidan (STScI), NASA Booth, Exhibit Hall

# Cosmic Origins Activities at the AAS

## Wednesday, January 4:

8:30 am - 9:20am

Plenary Session: Early Solar System Bombardment: Exploring the Echos of Planetary Migration and Lost Ice Giants, William Bottke (SwRI), Texas A

**9:20am – 10am**

**Meet the COPAG EC (Lee Armus & Suvi Gezari):** COR Table, NASA Booth, Exhibit Hall

**9:50am – 10:00am**

**Hyperwall Talk: “Big Bang to Biosignatures: the LUVOIR Decadal Mission Concept Study”, Jason Tumlinson (STScI), NASA Booth, Exhibit Hall**

10am – 1:30pm

Meet LUVOIR team members: COR Table, NASA Booth, Exhibit Hall

10am – 11:30am

Session 106: Ground-based and Airborne Instruments, Grapevine B

Session 111 (HAD II): History of Infrared Astronomy from Above the Atmosphere, Texas 3

11:40am – 12:30pm

Annie Jump Cannon Plenary Session: The Tumultuous Lives and Deaths of Stars, Laura Lopez (OSU), Texas A

**12:00noon – 12:15pm**

**Hyperwall Talk: “Extragalactic Science with the Origins Space Telescope”, Alex Pope (UMass Amherst), NASA Booth, Exhibit Hall**

12:45pm – 1:45pm

NSF Town Hall, 12:45 Texas C

1:00pm – 3:30 pm

Science of X-ray Surveyor, San Antonio 1

1:00pm – 5:00pm

Meet OST team members: COR Table, NASA Booth, Exhibit Hall

**2:00 pm – 3:30pm**

**Session: Big Bang to Biology: What Can I Do with LUVOIR?, Fort Worth 1**

3:40pm – 4:30pm

Henry Norris Russell Lectureship: How Stars Form, Christopher McKee (UC Berkeley) Texas A

# Cosmic Origins Activities at the AAS

## Wednesday, January 4 (cont.):

4:45pm – 5:00pm

Hyperwall Talk: “Spitzer ‘Beyond’ “, Lisa Storie-Lombardi/Sean Carey (IPAC)

5:00pm – 5:15pm

Hyperwall Talk: “Hubble: Recent Discoveries and Future Promise”, Jason Kalarai (STScI), NASA Booth, Exhibit Hall

5:30pm – 6:30pm

**Meet the COPAG EC (Paul Lightsey and John O’Meara):** COR Table, NASA Booth, Exhibit Hall

7:30pm – 9:00pm

Science Opportunities with the NASA K2 and TESS Missions, Texas C

# Cosmic Origins Activities at the AAS

## Thursday, January 5:

**9:30 – 10:00am**

**Meet the COPAG EC (Joseph Lazio and Paul Scowen):**, COR Table, NASA Booth, Exhibit Hall

9:50am – 10:05am

**Hyperwall Talk, “Solar System and Exoplanet Science with Origins Space Telescope”, Stefanie Milam (NASA/GSFC)**, NASA Booth, Exhibit Hall

10:00 am – 12:30

Meet OST team members: COR Table, NASA Booth, Exhibit Hall

10:00am – 11:30 am

Session 209. Making Great Observatories Even Better: Hubble's Hand in Studying the Multi-Wavelength Universe, Texas 1

Session 206: .Space Missions from Cubesats to LUVOIR, Texas 5

11:40am – 12:30pm

Plenary Talk: What We Don't Know about the Beginning of the Universe, Sean Carroll (Caltech), 11:40 - 12:30 pm, Texas A

**12:00noon -12:30pm and 1:45 – 3:00pm**

**Meet the COPAG EC (Matt Greenhouse):** COR Table, NASA Booth, Exhibit Hall

**12:15pm – 12:30pm**

**Hyperwall Talk, “Big Bang to Biosignatures: the LUVOIR Decadal Mission Concept Study”, Courtney Dressing (Caltech)**, NASA Booth, Exhibit Hall

**12:45pm – 1:45pm - NASA Town Hall**, Paul Hertz, Texas C

1:45 – 5:00pm

Meet LUVOIR Team Members: COR Table, NASA Booth, Exhibit Hall

2:00 - 3:30 pm

Session 227. W. M. Keck Observatory: A Resource for NASA and the Entire US Community, Texas 5

3:40pm – 4:30pm

Dannie Heineman Prize for Astrophysics: Increasing Accuracy and Increasing Tension in  $H_0$ , Wendy Freedman (University of Chicago), Texas A

4:30pm – 5:20pm

HEAD Bruno Rossi Prize: A Good Hard Look at Growing Supermassive Black Holes in the Distant Universe, W. Neil Brandt (PSU), , Texas A

# Cosmic Origins Activities at the AAS

## Thursday, January 5 (cont):

4:30pm – 4:45pm

Hyperwall Talk, “Exoplanets – Hot or Not“, Jessie Christiansen(NexSci), NASA Booth, Exhibit Hall

**5:00pm – 6:30pm**

**Meet the COPAG EC: (Joseph Lazio and Suvi Gezari)**, COR Table, NASA Booth, Exhibit Hall

5:00pm -5:15pm

Hyperwall Talk, “The Infrared Universe: Redshifted”, Gordon Squires/Robert Hurt (IPAC), NASA Booth, Exhibit Hall

5:15pm – 5:30pm

Hyperwall Talk, “SOFIA Science Spectra and Next Cycle Plan”, Andrew Helton (),

**5:30pm – 6:30pm**

**Poster Session 238, Space Missions & Instrumentation (includes 8 OST posters)**

Poster Session 239, Making Great Observatories Even Better: Hubble's Hand in Studying the Multi-Wavelength Universe

6:30pm – 8:30pm

Proposing for the James Webb Space Telescope, Grapevine C

7:30pm – 9:00pm

WFIRST Status and Science Opportunities, Grapevine B

# Cosmic Origins Activities at the AAS

## Friday, January 6:

**9:30am – 10am**

**Meet the COPAG EC: (TBD)**, COR Table, NASA Booth, Exhibit Hall

10:00am – 11:30am

Session 305: Galactic Archaeology with Kepler and K2, Grapevine B  
Thirty Meter Telescope Open House, Yellow Rose Ballroom

10:00am – 12:30pm

Meet OST Team Members: COR table, NASA Booth, Exhibit Hall

11:40am – 12:20pm

Newton Lacy Pierce Prize: The Chemistry of Planet Formation, Karen Öberg (Harvard-Smithsonian, CfA), Texas A

**12:00noon – 12:15pm**

**Hyperwall talk, “Big Bang to Biosignatures: the LUVOIR Decadal Mission Concept Study”, John O’Meara (St. Michaels), NASA Booth, Exhibit Hall**

**12:30pm - 3:30 pm**

**NASA COPAG-Far-Infrared SIG Meeting**, San Antonio 1 (Agenda at: <https://cor.gsfc.nasa.gov/copag/AASJan2017/AAS2017-agenda-COPAG.php>)

**12:45pm - 1:45pm**

**Astro2020: The Next Decadal Survey of Astronomy and Astrophysics**, Grapevine C

2:00pm – 5:00 pm

Meet LUVOIR team members: COR table, NASA Booth, Exhibit Hall

2:00pm - 3:30pm

Session 328: CubeSats in Astronomy & Astrophysics, Grapevine 2

3:40pm – 4:20pm

Helen B. Warner Prize, Feedback: Now with Physics, Philip Hopkins (Caltech), 3:40 - 4:30 pm, Texas A

4:30pm – 5:20pm

Plenary, Astronomy from the Upper Stratosphere: Key Discoveries and New Opportunities from High Altitude Scientific Balloons, Laura Fissel (Northwestern), Texas A

**5:00pm – 6:30pm**

**Meet the COPAG EC: (John O’Meara and Paul Lightsey):** COR Table, NASA Booth, Exhibit Hall

# Cosmic Origins Activities at the AAS

## Saturday, January 7:

**5:30pm – 5:45pm**

**Hyperwall talk, “Galactic Science with Origins Space Telescope”, Chat Hull (SAO), NASA Booth, Exhibit Hall**

**8:30am – 9:20am**

Lancelot M. Berkeley Prize: Exploring for Galaxies in the First Billion Years with Hubble and Spitzer - Pathfinding for JWST, Garth Illingworth (UCSanta Cruz), Texas A

**9:30pm – 10:00pm**

**Meet the COPAG EC (Paul Lightsey and John O’Meara): COR Table, NASA Booth, Exhibit Hall**

**10:00am - 11:30 am**

**Session 405: NASA's 2020 Decadal Studies: An Update, Grapevine B**

**11:30am – 12:30pm**

Meet OST Study Team Members, COR Table, NASA Booth, Exhibit Hall

**11:40am – 12:30pm**

Plenary Talk: The 21st Century: The Century of Biology on Earth and Beyond, Jill Tarter (SETI Institute) 11:40 - 12:30 pm, Texas A

**4:30pm - 5:20pm**

Plenary Talk: How Supermassive Black Hole Feedback Might Work, Megan Donahue (Michigan State University), 4:30 - 5:20 pm, Texas A