



**231st Meeting of the  
American Astronomical Society  
Welcome Address  
AAS President Christine Jones**



# Sun and Solar System

- “The New Jupiter: Results from the Juno Mission” Scott Bolton  
January 9 8:20 am
- Total Eclipse session - January 10 2 - 3:30 pm
- “Venus - Our Misunderstood Sister” Darby Dyar  
January 11 8 - 8:50 am



**Scott Bolton**



**Darby Dyar**



# Stars and Stellar Systems

- “Unveiling the Low Surface Brightness Stellar Peripheries of Galaxies” Annette Ferguson January 10 8:20 am
- “The Value of Change: Surprises and Insights in Stellar Evolution” Lars Bildsten, Heinemann Prize January 10 3:40 pm
- “The Evolution of Stars and Galaxies” Charlie Conroy, Warner Prize January 11 3:40 pm



Annette Ferguson



Lars Bildsten



Charlie Conroy



# Multi-messenger Astrophysics

Gravitational Waves and EM Counterparts  
January 9 2-3:30 pm



**M. Kasliwal**

HEAD II - GW170817/GRB170817A  
January 10 2-3:30 pm

Multi-messenger astrophysics from a neutron  
star merger, January 10 10-11:30 am



**G. Gonzalez**

Gravitational Wave Astrophysics - G. Gonzalez  
HEAD Rossi Prize Lecture January 10 4:30 pm

Multi-Messenger Observations of Intermediate Black Holes with LISA  
January 11 10-11:30 am



Dennis Coyne



MIT



Bryce Vickmark

**D. Coyne P. Fritscel B. Vickmark**

Illuminating Gravitational Waves - Mansi Kasliwal  
January 12 8am

Lancelot-Berkeley Lecture - Peter Fritscel,  
D. Coyne, B. Vickmark January 12 4:30 pm



# Plenary Lectures from Cosmology to Tangible Things and more



**Nick Kaiser** January 9 2:00 pm  
Effect of Non-linear Structure on  
Cosmological Observables



**Sara Schechner** January 9 3:40 pm  
Tangible Things of American Astronomy  
(Doggett Prize)



**Chris Mentzel** January 11 11:40 am  
Astro Data Science: The Next Generation



**Eric Becklin** January 11 4:30 pm  
54 Years of Adventures in Infrared  
Astronomy (Russell Lecture)



**Robert Fisher** January 12 11:40 am  
The Fate of Exploding White Dwarfs



**David Goldston** January 12 3:30 pm  
The Politics of Science Funding: Is the Fault in Our Stars

- **Jan 9**      **Town Halls and more**  
LSST Town Hall    10 - 11:30 am  
NSF Town Hall     12:45 - 2 pm  
HAD Town Hall    12:45 - 1:45 pm  
**Inclusion and Diversity - Concrete Steps to Make Your  
Workplace More Inclusive - 1 - 4 pm**  
JWST Town Hall   6:30 - 8:30 pm
- **Jan 10**  
NASA Town Hall   12:45 - 2 pm  
NAS Town Hall, Astro2020: The Next Decadal Survey of  
Astronomy and Astrophysics   6:30 - 8:30pm
- **Jan 11**  
National Center for Optical-IR Astronomy   12:45 - 2 pm  
HEAD Business meeting   6:30 - 7:30 pm  
NASA post-doc program Meet and Greet   7:30 - 8:30  
SOFIA Town Hall: New Opportunities   7:30 - 8:30 pm

\* For “lunch time” Town Halls, grab lunch and take it with you



# Planning for the Future

## Jan 9

**NASA Decadal Preparation 1: Large Scale Studies 10-11:30 am**

**NASA Exoplanet Exploration Program update 10-11:30 am**

**NASA Decadal Preparation 2: Probes Mission Concept Studies 2-3:30 pm**

**Big Bang to BioSignatures: Science of the LUVOIR Mission Concept 2-3:30 pm**

**Habitable ExoPlanet Imaging Missions 6:30-8:30 pm**

**K2 and TESS Missions and opportunities 7:30-9 pm**

## Jan 10

**NASA Scientific Ballooning Roadmap 12:45-2 pm**

**What can I do with LUVOIR? 2-3:30 pm**

**Thirty Meter Telescope (TMT) open house 5:30 pm**

**National Academy Decadal Survey Astro 2020 6:30-8:30 pm**

**LSST 7:30 pm**

## Jan 11

**Status of the Astronomy Workforce. 10-11:30 am**

**AAS Committee on the Status of Women:**

**Then and now and where do we go from here? 2 - 3:30 pm**

## Jan 12

**Public Policy Panel - The Ongoing Evolution of WFIRST Mission 10-11:30 am**

# **Reflections on the Past — Historical Astrophysics Division (HAD) Four Sessions\***

## **Jan 9**

- II From the earliest Astronomy to the Space Station -10 am
- III History, Eclipses, Planetaria - 2 pm
- IV Poster session

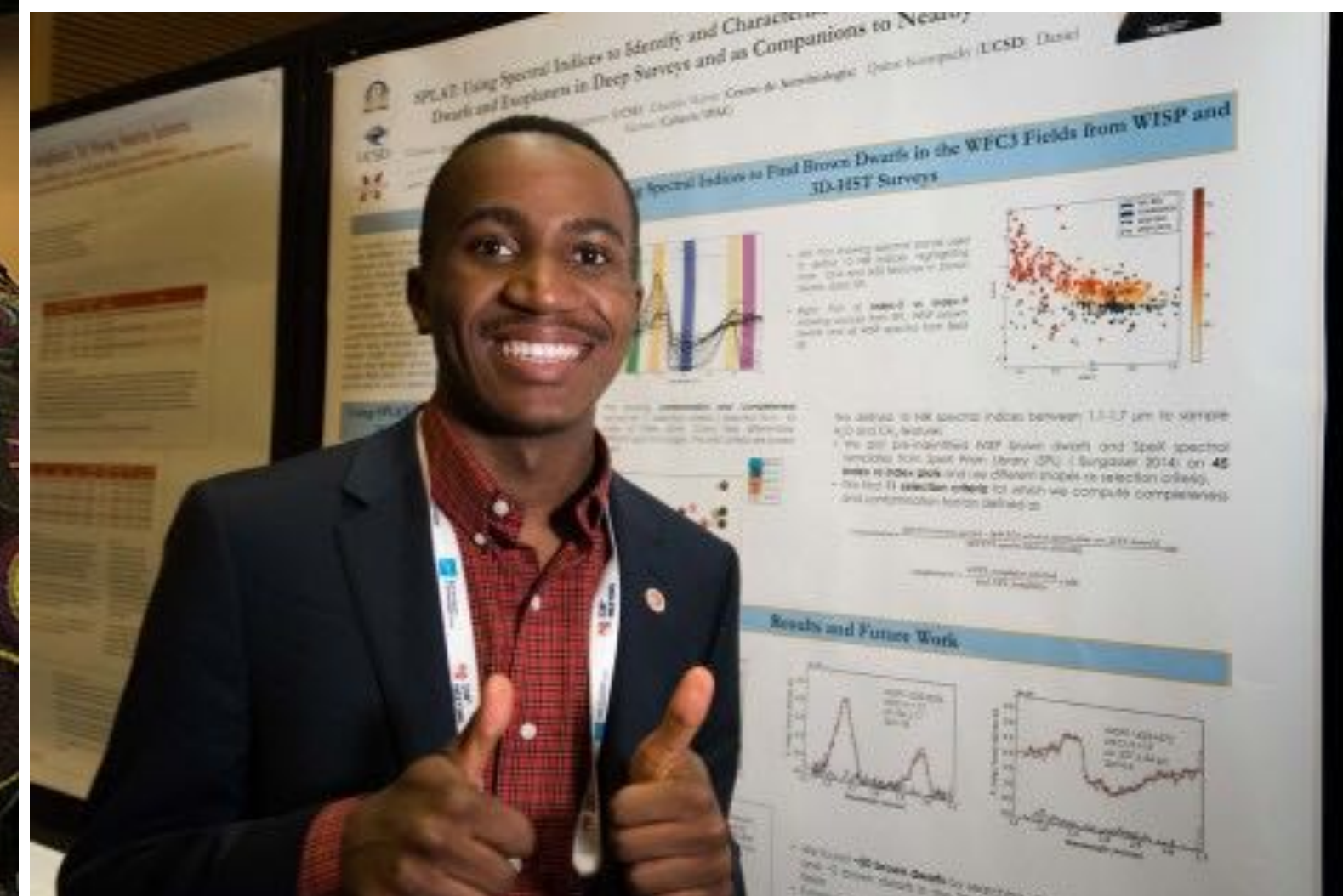
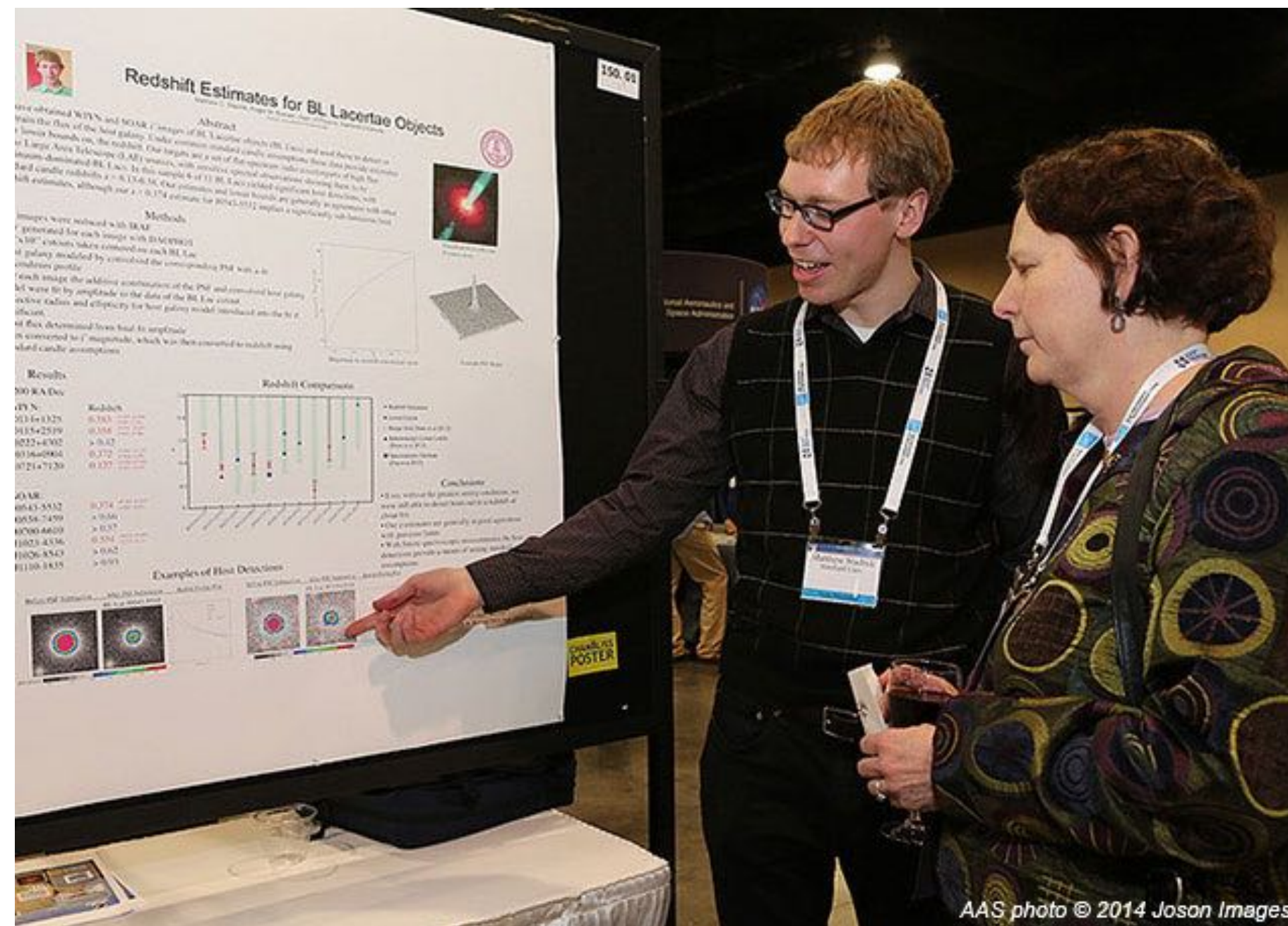
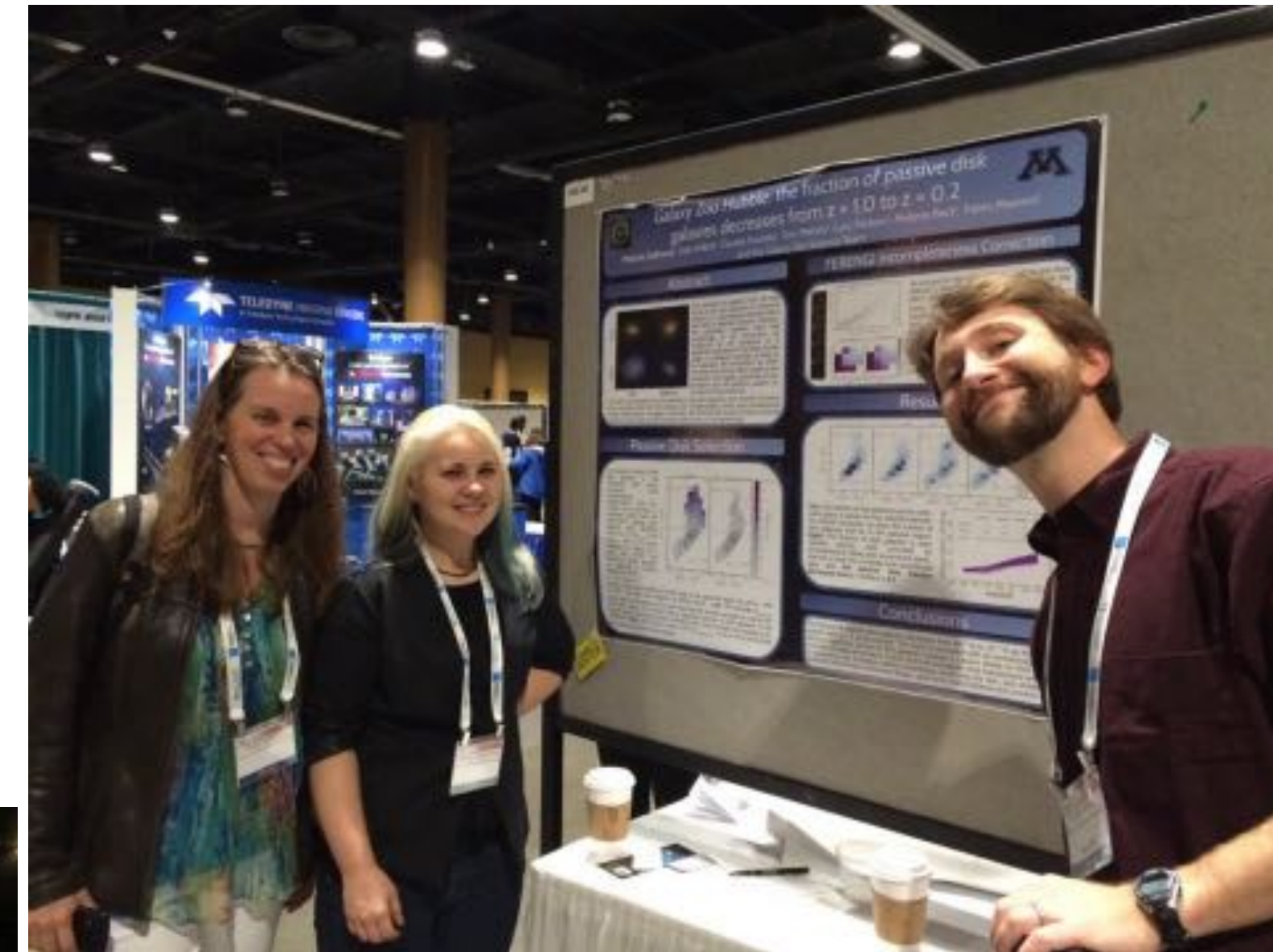
## **Jan 10**

- V Genealogy, History, and Technology - 10 am

\* plus first HAD session on Monday



Visit poster sessions  
Check out iposters  
Talk with presenters





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## **Maybe some fun?**

- Paint your research!     January 10 7 pm
- Open Mic Night     January 10 8 - 10 pm
- Movie - Black Suns: Astrophysics adventure  
January 11 7:30 pm
- Hack Together Day     January 12 10 am - 7 pm  
Workshop of collaborative projects



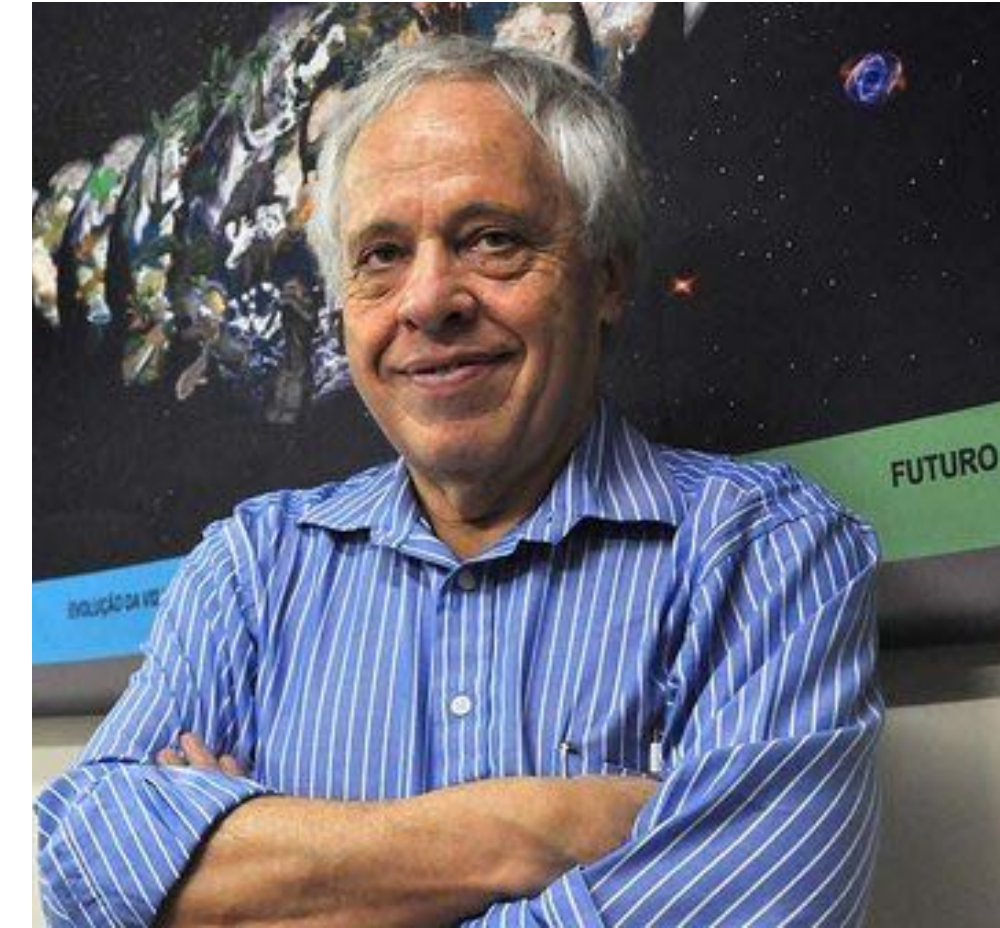
# AAS Prizes 2018



**Yacine Ali-Haïmond**  
**Warner Prize**



**Julianne Dalcanton**  
**Beatrice Tinsley Prize**



**Joseph Silk**  
**Russell lecture**



**Debra Elmegreen**  
**Van Biesbroeck**



**Caitlin Casey**  
**Pierce Prize**



**Rainer Weiss**  
**Weber Prize**





**Laura Ilse Cleeves**  
**Annie Jump Cannon Prize**



**Vicky Kalogera**  
**Dannie Heineman Prize**



**Joao Steiner**  
**Honorary AAS Member**



**Sarbani Basu**  
**SPD Hale Prize**



**Nikki Viall**  
**SPD Karen Harvey Prize**





# IAU - International Astronomical Union

- Next IAU meeting - Vienna, Austria August 20-31
- Early registration closes January 30
- Abstract/paper and travel grant deadline February 28
- Membership application (including Junior membership) deadline February 2
- application information at <http://sites.nationalacademies.org/PGA/biso/IAU/index.htm>

# **Remember -- when you registered for this meeting**

## **AAS Code of Ethics (<https://aas.org/ethics>)**

- Preamble
- Ethics Statement
- Handling Potential Ethical Breaches
- Details of Responsibilities and Operating Policies

## **Anti-Harassment Statement of Policy**

**(<https://aas.org/policies/anti-harassment policy>)**

“It is the policy of the American Astronomical Society (AAS) that all participants in Society activities will enjoy an environment free from all forms of discrimination, harassment, and retaliation.”

**We are an inclusive, welcoming society.**

**“Our diversity makes us stronger.”**

**M. Bowser**



# **AAS Executive Offices in Washington DC**

**1667 K Street**

- Conference Room **available to AAS members** for meetings up to 50 people

**VOTE in the AAS elections**

in the exhibition hall or online

<https://aas.org/governance/vote-aas-and-division-elections>

Enjoy the Meeting !

Submit an iPoster for Denver