

# NEAF 2018 TALKS SCHEDULE \*

NEAF features two theaters in addition to classes & workshops.  
Please see our other schedules for additional events & times.

## **CELESTRON® (MAIN) THEATER**

### **SATURDAY, APRIL 21**

**Exhibit Hall Hours: 8:30 am – 6 pm**

- 10:30 - 10:45 Welcoming remarks by **Joe Rao** with **Vince Coulehan**
- 10:45 - 11:45 **Vince Coulehan**, NEAF Talks Host  
'A Celebration of the 2017 Great American Total Solar Eclipse'
- 12:00 - 1:00 **Don Bruns**, 2018 AAS Chambliss Achievement Recipient  
'Einstein was Right! Completing the 1919 Relativity Experiment at the 2017 Solar Eclipse'
- 1:15 - 2:15 **Kirsten Howley**, Lawrence Livermore National Laboratory  
'Preventing an Asteroid Extinction'
- 2:30 - 3:30 **Tim Gasparrini**, VP and Program Manager, Lockheed Martin  
'The Juno, OSIRIS-Rex, InSight, and GOES Missions'
- 3:45 - 4:45 **Tom Mulder**, Mission Designer, Boeing Starliner  
'The Boeing CST-100 Starliner Crew Capsule '
- 5:00 - 6:00 **Mike Leinbach**, Space Shuttle Launch Director, with **Jonathan Ward**,  
'Bringing Columbia Home: The Untold Story'

### **SUNDAY, APRIL 22**

**Exhibit Hall Hours: 10:00 am – 5 pm**

- 12:15 - 1:15 **The Future of Amateur Astronomy**  
Presented by Pranvera Hyseni, Grant Regen, and Will Clodfelder with David Eicher
- 1:30 - 2:30 **John Mather**, Nobel Laureate & Project Scientist for the James Webb Space Telescope  
'The History of the Universe from the beginning to the end: where did we come from, where can we go?'
- 2:45 - 3:45 **Tim Walsh**, NOAA System Director, GOES-R Program  
'GOES-R Weather Satellites: A Game Changer for Weather Forecasting'
- 4:00 - 5:00 **Hans Koenigsmann**, VP of Mission Assurance, SpaceX  
'The SpaceX Falcon Heavy '
- 5:15 **Raffle Drawing**

*\*Speakers and schedule are subject to change.*

# FIELD HOUSE EVENTS SCHEDULE \*



**Outdoor Sport Optics (FIELD HOUSE) THEATER**

## **SATURDAY, APRIL 21**

**Exhibit Hall Hours: 8:30 am – 6 pm**

- 10:30 - 11:45 **Dr. Bernard Sokolowski**  
'Telescopes for Beginners'
- 12:00 - 12:45 **Pete Strasser**, International Dark Sky Association  
'Lighting 101: LEDs and You'
- 1:00 - 1:45 **Bob Morrow**, Bob's Knobs  
'A Lesson in Telescope Collimation'
- 2:00 - 2:20 **Benjamin Palmer**, "First Light," Astronomy Outreach Initiative
- 2:35 - 3:35 **J. Kelly Beatty & Peter Tyson**, *Sky & Telescope*  
Preparing for the next Total Solar Eclipses
- 3:45 - 4:55 **"In the Shadow,"** Bob Baer, SIU Carbondale  
Eclipse 2017 Documentary Film

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'Telescopes for Beginners'
- 12:00 - 12:45 **Pete Strasser**, International Dark Sky Association  
'Lighting 101: LEDs and You'
- 1:00 - 1:45 **John Pazmino - NYSkies**  
"City of Stars,"  
How a club can combine local history, astronomy, and social activity
- 2:00 - 3:15 **Temple Dudes**, "Light Years"  
Live Acoustic Music
- 3:15 - 3:45 **Don R. Mueller**  
Astronomy songs
- 5:15 **Raffle Drawing** in the Celestron (Main) Theater

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# NEAF 2018 PRO/AM TALKS SCHEDULE

The Pro/Am Conference at NEAF features free walk-in classes where you can learn how to do real science and collaborate with professional astronomers and scientists. All are welcome.

**ROOM 5140**

**SATURDAY, APRIL 21**  
**with Mary Lou West**



9 – 9:50 AM

**Josh Walawender**, W.M. Keck Observatory  
**PANOPTES Project and Photometry**



10 – 10:50 AM

**Sean League**, Spacefab  
**Space Fab: the first app-controlled space telescope**



11 – 11:50 AM

**Aparna Bhattacharya**, Goddard SFC  
**Exoplanet Masses by Microlensing**



LUNCH

1 – 1:50 PM

**Dennis Conti**, AAVSO  
**TESS Exoplanet Mission and Amateur Astronomer Participation**



2 – 2:50 PM

**Mike Reynolds**, Florida State University  
**The Depth and Quality of 2017 Eclipse Observations**



3 – 3:50 PM

**David Dunham**, IOTA  
**Getting Started in Occultation Science for Amateurs**



4 – 4:50 PM

**Kirsten Howley**, Lawrence Livermore National Laboratory  
**Near Earth Asteroids**



5 – 5:30 PM

**Jim Cole** and **Stephen Riggs**, Lowell Observatory  
**GODO Public Observatory**



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