

## 2023 MIDSOUTH STAR GAZE & ASTRONOMY CONFERENCE SCHEDULE

### Wednesday: April 19

Setting Up, Solar Observing, Fellowship, Sightseeing  
Sunset-Until: Observing

### Thursday: April 20

9:00 am: Coffee and snacks in the classroom  
12:00pm: Lunch on your own (*Council House Restaurant*)  
2:00pm: Dave Teske, "The Lunar Topographic Studies Program of the Association of Lunar and Planetary Observers"  
5:00 pm: Supper on your own (*Council House Restaurant*)

Sunset-Until: Observing

### Friday: April 21

9:00 am: Coffee and snacks in the classroom  
Solar Observing, Fellowship, Sightseeing  
12:00pm: Lunch on your own (*Council House Restaurant*)  
1:00pm: Lecture, Jon Talbot  
3:00 pm: Lecture: Dr. William Keel, James Webb Space Telescope after a year at L2 - IT WORKS!  
5:00 pm Supper on your own (*Council House Restaurant*)  
7:30 pm: Lecture: "Sky Lore in the Planetarium" with Dave Teske  
Sunset-Until: Observing

### Saturday: April 22

Solar Observing, Fellowship, Sightseeing  
9:00 am: Coffee and snacks in the classroom  
12:00pm: Lunch on your own (*Council House Restaurant*)  
3:00 pm: Lecture: Dr. William Keel, Care and Feeding of Giant Black Holes  
5:00 pm: Supper on your own (*Council House Restaurant*)  
Sunset-Until: Observing

## Lecture Abstracts

### Dr. William C. Keel

#### Lectures:

James Webb Space Telescope after a year at L2 - IT WORKS!

Care and Feeding of Giant Black Holes

#### Bio:

*Dr. Keel* is a galaxy research astronomer from the University of Alabama. He has conducted research on some of the most powerful telescopes in the world such as [Lick Observatory](#), [Mount Lemmon](#), [Kitt Peak](#), [Lowell Observatory](#), [La Palma](#), [Bol'shoi Teleskop Azimutal'nyi](#), [Cerro Tololo](#), [European Southern Observatory](#), [NASA Infrared Telescope Facility](#) Mauna Kea, [MMT](#), Mt. Hopkins, Arizona, [MDM Observatory](#), [Palomar Mountain](#), [SARA Observatory](#), Kitt Peak and Cerro Tololo [ARC 3.5m telescope](#), Apache Point Observatory, New Mexico [Gemini Observatory](#) Mauna Kea and Cerro Pachon, [NRAO](#): Very Large Array telescope, [James Clerk Maxwell Telescope](#) Mauna Kea, Low Earth orbit, [Hubble Space Telescope](#), [ROSAT](#), [IRAS](#), [STS-95 Starlite](#), [FUSE](#), GALEX, Swift, Suzaku, High Earth orbit, [ISO](#), [Chandra](#), XMM-Newton, Geosynchronous orbit, [IUE](#) Solar escape orbit, [Voyager 2](#). He has also published two books - *The Road to Galaxy Formation* and *The Sky at Einstein's Feet*.

### Jon Talbot

#### Lecture:

Leveraging New Generation CMOS technology

#### Bio:

*Jonathan Talbot* is the retired Chief Flight Meteorologist of the 53d Weather Reconnaissance Squadron, better known as the Hurricane Hunters, located at Keesler AFB in Biloxi MS. Jon retired in July 2016 after 34 years of service. He has over 5,600 flying hours and 153 hurricane penetrations, which provided critical data to the National Hurricane Center in Miami, Fl. Jon was active in promoting hurricane awareness during many trips through Caribbean nations. He was the main project manager in the development of the Stepped Frequency Microwave Radiometer which is an instrument carried on reconnaissance aircraft to remotely measure wind speeds on the ocean surface. Jon has been attending the Texas Star Party since 2014. Jon is also an avid astrophotographer. Jon took up the hobby of astrophotography in 2001 and has pursued photographing the night sky for the past 19 years using astronomical CCD and DSLR cameras.

*Jon has been using PixInsight since its release in 2004 and has done PixInsight presentations at TSP, NEAIC, Winter Star Party, Okie Tex and the Mid-South Star Gaze as well as writing a yearlong PixInsight series for Amateur Astronomy. He has had numerous images published in Sky and Telescope, Astronomy and Amateur Astronomy Magazines. He has also done multiple equipment reviews for Astronomy magazine. His most recent article, published in Sky and Telescope, was how to optimize imaging from suburban locations.*

*Jon has a backyard observatory in Ocean Springs MS and photographs the night sky there and across the country at dark sites. Since retirement, he has been active in teaching astrophotography techniques at various star parties across the central and SE US. Jon lives in Ocean Springs MS with his wife Janice and has two daughters and 2 grandsons.*

## **Dave Teske**

### **Lectures:**

“The Lunar Topographic Studies Program of the Association of Lunar and Planetary Observers. This program will discuss the history of the Association of Lunar and Planetary Observers (ALPO) with emphasis on its Lunar Topographic Studies Program. Examples of submissions will be discussed, including dome reports, topographic reports, lunar geologic change programs and examples of images presented. A discussion of the demographics of contributors and their equipment will be highlighted. Emphasis will be on the newsletter The Lunar Observer which is edited by the presenter. Also, methods of contribution and joining ALPO will be discussed.”

“Sky Lore in the Planetarium”

### **Bio:**

*[David Teske](#) is a long-time amateur astronomer who specializes in lunar and solar astronomy, as well as public outreach. He has worked as the assistant planetarium at the Alworth Planetarium in Duluth, Minnesota, the assistant director at the Davis Planetarium in Jackson, Mississippi, and has presented numerous astronomy programs at the Rainwater Observatory, nature centers, and schools. He is recently retired as a science teacher who has been the recipient of numerous awards for teaching including STAR teacher twice, teacher of the year from Parents for Public Schools, and recognition from NASA and the Air Force Association for teaching. NASA awarded Teske for Mission Home, for incorporating science applications to Earthly applications. The Air Force Association awarded Teske the Christa McAuliffe Teacher of the Year for his teaching of air and space sciences in middle school. Currently, Teske is the Coordinator of the Lunar Topographic Studies Program of the Association of Lunar and Planetary Observers.*

[The Association of Lunar & Planetary Observers ALPO Home \(alpo-astronomy.org\)](http://alpo-astronomy.org)