



# Spectroscopy Society of Pittsburgh October Joint Meeting With the AAAP



(Amateur Astronomers Association of Pittsburgh)

Wednesday – October 19, 2016

Held at Duquesne University

- 5:15 PM** Technology Forum Speaker's Presentation – **Power Center Ballroom Section C**
- 5:30 PM** Social Hour – **Power Center Fides Shepperson Suite**
- 6:45 PM** Dinner – **Power Center Ballroom Section C**
- 8:00 PM** Business Meeting – **Power Center Ballroom Section C**
- 8:15 PM** Technical Program Speaker's Presentation – **Power Center Ballroom Section C**

Deadline for Dinner Reservations: Wednesday, October 12, 2016 at 12:00 noon

<http://www.ssp-pgh.org> and click on SSP Monthly Meeting “More Info” link

#### Dinner Reservations:

Please register on-line at <http://www.ssp-pgh.org> to make dinner reservations **NO LATER THAN Wednesday, October 12, 2016 at noon**. Dinner will cost **\$10** (\$5 for students) and checks must be made payable to the SSP. This month's Main Entrée: **Sauerbraten (this is beef)**. Vegetarian Entrée: **Grilled Vegetable Stack**. If you have any dietary restrictions, please indicate them when you RSVP.

#### Parking:

The Duquesne University Parking Garage is located on Forbes Avenue. Upon entering the garage, receive parking ticket and drive to upper floors. Pick up a parking chit at the dinner or meeting.

### TECHNOLOGY FORUM - 5:30 PM

#### PITTCON PLANETARIUM PRESENTATION



The current planetarium was purchased in 2010 by Pittcon as part of Science Week in Atlanta. The societies started offering the planetarium program in 2011 to local school districts in Western Pennsylvania on a first come, first serve basis depending on the schedules of the volunteer society members.



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## TECHNICAL PROGRAM – 8:15 PM

**Dr. Ori Fox**  
**Research Scientist Space Telescope Science Institute**

**Now You See Them, Now You Don't: Exploding Stars and the James Webb Space Telescope**



Supernovae are the explosions of stars that reach the ends of their lifetime. These awesome events are nearly as bright as the entire galaxy which hosts them. Yet the astronomical community has surprisingly few constraints on the supernova progenitor systems because it is quite difficult to identify the stars *before* they explode. In this talk I will provide an overview of supernova explosions, with plenty of fantastic images both before and after the stellar deaths, highlighting both the current state of the field and the remaining mysteries. I will incorporate raw data from telescopes I use, including Keck and Hubble. Finally, I will discuss the future of astronomical observations with NASA's next flagship mission, the James Webb Space Telescope.

### Biography

Ori Fox received his PhD in Astrophysics from the University of Virginia in 2010. He worked as a postdoc at NASA Goddard Space Flight Center from 2010-2012, and then at University of California Berkeley from 2012-2015. Dr. Fox is now a research scientist at the Space Telescope Science Institute in Baltimore, MD. The Institute is responsible for operating the Hubble Space Telescope and, upon launch in 2018, the James Webb Space Telescope. Ori is a member of the JWST Mid-Infrared Instrument team.