

Wednesday, November 18, 2009

Justin B. Peatross: Inventing β - carotene detection, & Laser Physics

**December 4-6 Examination II in
TC**

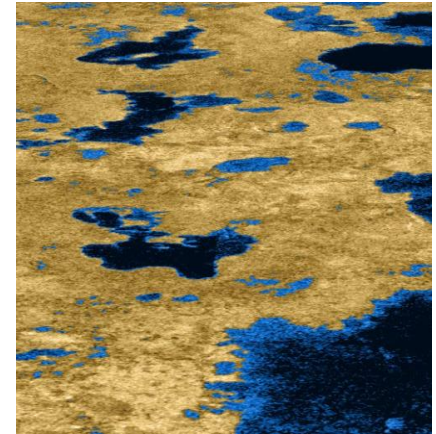
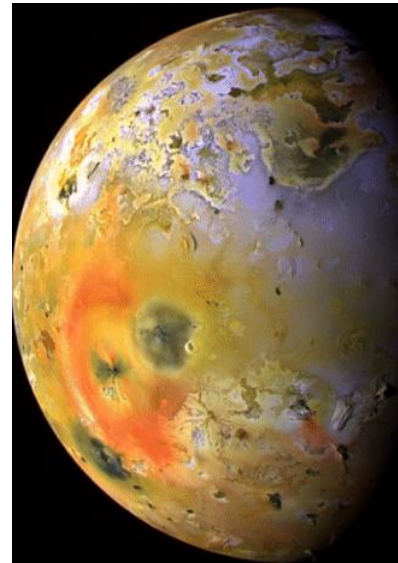
You can find you CID online:

<http://www.physics.byu.edu/faculty/allred/191/091105%20grades.htm>

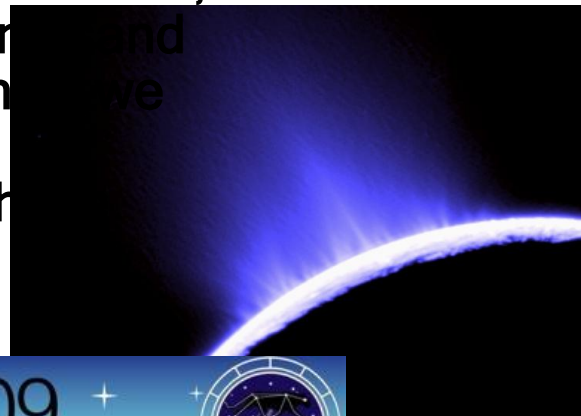
finding internship intro.

Alien Worlds of the Outer Solar System

➤ Join Dr. Jani Radebaugh, Assistant Professor of Geology at BYU, as she talks about the beautiful, alien, and yet strangely Earth-like worlds that orbit around Jupiter, Saturn, Uranus, and Neptune.



➤ See the volcanoes on Io, the geysers on Triton and Enceladus, and the methane lakes and seas on Titan. Find out how we use the Earth to help us understand more about these alien worlds.



Free lecture takes place in the auditorium of the Harold B. Lee Library, room 1060 on Tuesday September 1st

Seating open for seating at 7 pm
Lecture begins at 7:30 pm
Q&A session following lecture until 9 pm

Jacob Fugal National Center for Atmospheric Research

- Looking at clouds with HOLODEC 2
Wednesday, December 02, 2009
C215 ESC 4:00 PM
- **Abstract:**
- HOLODEC 2 (Holographic Detector for Clouds 2) is a new instrument that measures cloud droplets in their local environment. It is mounted to an aircraft wing (such as on the NCAR HIAPER or Gulfstream V aircraft) and flown through clouds to make its measurements. From these measurements we hope to learn for the first time the variability of local size distributions of cloud droplets which affects how rain and snow forms. We also hope to learn about the cloud droplet spatial distribution which also influences precipitation formation. HOLODEC 2 was fabricated in 2009, and had its first test flights in August and September 2009 with more test flights slated for January to February 2010. I will talk about the scientific motivation to better understand clouds and precipitation with local in-situ measurements and the several impacts on climate and weather and remote measurements (radar, lidar and satellite). I will briefly give an overview of the holographic method and its advantages and an overview of the design and unique engineering that went into this aircraft instrument. Then I'll present the latest results from the first test flights.

Exam I are back in boxes

- Exam 2 Thurs through Saturday in TC.
- Same format as last time.
- If you want you can take your grade from last time (& not take the exam)
- Remember to get points or to do a paper.
- Thursday Dec. 10 is deadline for turn in.

This Friday planetarium

- Star of Bethlehem.

You can go to the planetarium any time it is open for PS 100 (life of a star) and get a pt.

- Starts Friday & runs through next Thursday. You can see the schedule on line at: <http://planetarium.byu.edu/Scheduling/Calendar.aspx> but briefly:
- PS 100 times are **Friday** at 11am and 2pm, **Monday** at 10 am, 3 (&4?) pm, **Tuesday** at 12, 1, 2, and 3 pm and
- **next Wednesday** every hr 8am to 7 pm (except 9 and 1) & **week from Thursday** 8 am to 7pm except noon