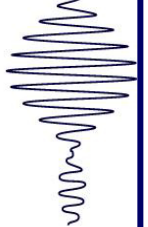
Michelson Science Center

Michelson Summer Workshop Wrap Up

Dr. Dawn Gelino

28 July 2006

Michelson Science Center



[Comment Time]

A Basic Definition

Wikipedia defines **interferometry** as:

The applied science of combining two or more input points of a particular data type, such as optical measurements, to form a greater picture based on the combination of the two sources.

In astronomy, this is used to combine light from two or more telescopes to obtain measurements with higher resolution than could be obtained with either telescope individually.

What Have We Covered?

- History & Basics
  - Limits imposed by reality
  - A lot of good science can be done with interferometers!
    - Stellar Behavior & Structure
    - Young and Old Stars
    - Binary Systems
    - Extra-Solar Planets
    - AGN
- Advanced Observational Modes
  - Problems and solutions
- How to actually observe with an interferometer
  - You have the opportunity to play with some real data!
- Future Missions and Prospects

Mt. Wilson Tour

Michelson Science Center

The Banquet

In Short…

- Interferometry can be challenging (think in Fourier Space), but the science obtained can be very rewarding.

- This is the first MSW dealing with interferometry when you can actually apply for observing time, and obtain interferometric data...therefore…

  …we hope that this workshop has motivated you to go out and apply for time and/or go home and play with some public data!

Many Thanks!!

Your MSW LOC and *on-site help*:

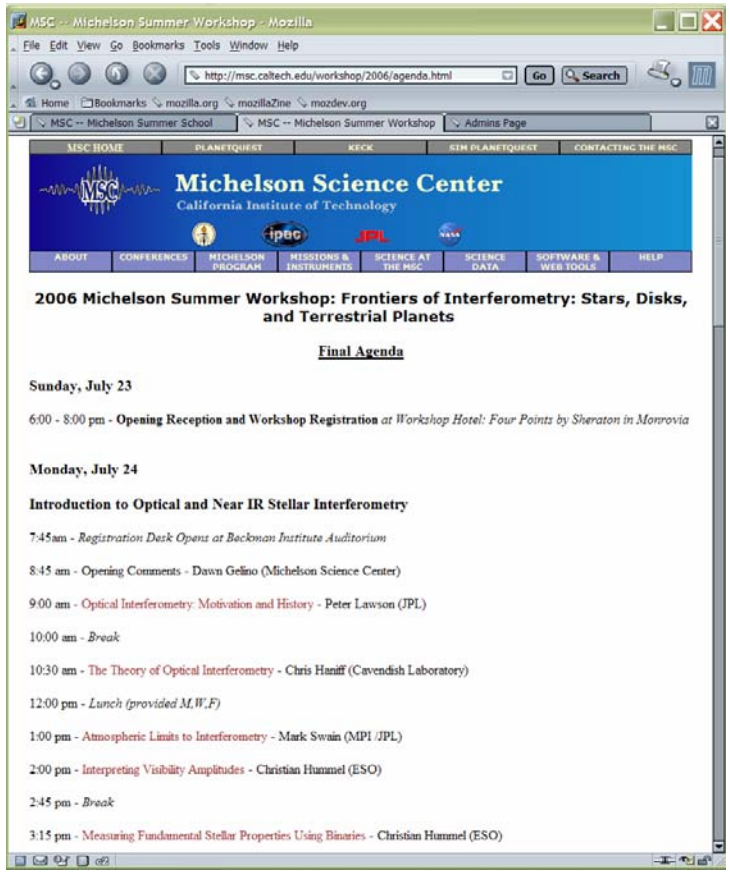
- Dawn Gelino
- Helga Mycroft
- Kathy Golden
- Shellie Hanna
- M.E. McElveney
- *Steve Groom*
- *Renee Newman*
- *Gerard van Belle*

Your MSW SOC:

- Tom Armstrong (NRL)
- Michelle Creech-Eakman (NM Tech)
- Christian Hummel (ESO)
- Harold McAlister (GSU)
- Rafael Millan-Gabet (MSC, Caltech)
- Peter Tuthill (U of Sydney)
- Stephen Unwin (JPL)

…And Don't Forget Our Speakers!!

- Many thanks to our speakers for their informative and entertaining workshop presentations!



- All updated presentations will be on-line next week: **http://msc.caltech.edu/workshop/2006/agenda.html**

Travel Reimbursement

- Travel Reports are to be mailed in *AFTER* your return home:

  ATTN: 'Your Travel Contact'
  Caltech – IPAC, MS 100-22
  770 S. Wilson Ave.
  Pasadena, CA 91125

- Travel Reports ***must*** include:
  - Completed reimbursement form (included in guidelines)
  - *Original* receipts (no meal receipts required)
  - Working FAX number

Your Name:	
Date of departure:	
Time of departure:	
Date of return:	
Time of return:	
Lodging Cost:	
Workshop Registration Fee:	

The Class of 2006!

Hope to see you at next year's workshop!

Please…

- Make sure you have all of your belongings
- Pick up your trash!

Thanks!! ☺