Hot(ter) Topic(s)

http://astrohottopics.wordpress.com/
Astronomy Brown Bag Lunch
Fall 2013

Organizer: M. Cushing
Astronomy Brown Bag Lunch
Fall 2013

The Solar System

Organizer: M. Cushing
The ‘Syllabus’

- Wednesdays at noon in MH 4009.

- All graduate students present with concessions to the first years.

- 30 min + 10 min for questions.

- Students meet afterwards for a debrief led by Alex Mulia.
The ‘Syllabus’

• One week before your talk, send me:

  1) a brief outline.

  2) the one thing you are going to work to improve since your last talk.

• Continue J.D.’s requirement of ‘minimal’ slides.
  - At most one (ish) sentence.
  - At least one figure/diagram.
The ‘Syllabus’

• Meet with your advisor (or me) to review your presentation before your talk. (Please don’t wait until the last minute.)

• Send a reminder email including a list of your principle references to: astroseminar@mail.physics.utoledo.edu

• Meet with me sometime after your talk for a debrief (it is your responsibility to set up a time).
Advice on giving good talks*

*The opinions expressed herein are those of the author and do not necessarily reflect the positions of UT.

- Giving a talk is a privilege, treat it as such. (People are taking time out of their schedule to hear you speak).

- You want your audience to learn something, so make it easy for them. (Write a good talk. See below.)

- One point/idea/thought per slide. (Ideally put that point in the slide title.)
$T_{\text{eff}}$ Evolution of Brown Dwarfs

adapted from Burrows (2001, RvMP, 73, 79)
Brown dwarfs cool as they age

adapted from Burrows (2001, RvMP, 73, 79)
Good preparation ≈ good talk

• Know your audience.
  (Talking to the public is different than talking to astronomers.)

• Give *plenty* of background.
  (Your audience knows/remembers less than you think.)

• Know you weaknesses.
  (Two of mine are beginning the talk and important transitions.)

• People remember both good and bad talks.
  (You never know if you just gave a job talk.)
During your talk...

• Explain your figures.
  Describe axes, ranges, and give points of reference.

• Give a presentation, don’t read a speech.
  Look at the audience and not the screen (when possible).

• Convey your excitement for the subject.
  If you don’t care, why should I?
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Battling Impostor Syndrome
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“I remember waking up in a cold sweat one night in early 2010, about six months after I joined the faculty at Caltech. I woke up to the terrifying realization that I didn't have a contingency plan for my family for when I would inevitably be either let go or denied tenure. Erin woke up wondering what was wrong with me and I told her that I was sorry, but it was only a matter of time before my colleagues discovered how little I know about astronomy. They were going to discover that they made a mistake in hiring me as a professor.”

-John Johnson (Full Professor at Harvard)

...the syndrome is defined by “believing that one’s accomplishments came about not through genuine ability, but as a result of having been lucky, having worked harder than others, and having manipulated other people’s impressions.” One key aspect of the imposter syndrome is the attribution of your own success to factors beyond your control, such as luck, while attributing the success of others to skill or knowledge.  

-Langford & Clance (1993, Psychotherapy, 30, 495)
Amy Cuddy at TED

http://www.youtube.com/watch?v=Ks_Mh1QhMc
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Practice!

‘If you have prepared properly, there is no reason to be nervous.’

- Larry Teal, Professor of Saxophone at the University of Michigan
Choosing your topic

• Select a topic in the solar system you wish to review.

• Please email me your selection by Friday, Aug 23, or I will assign a topic to you. First email, first serve basis.

NEOs (WISE)
Kuiper Belt
Main Belt Comets
Mercury (Messenger)
Mars (everything)
Saturn (Cassini)
Titan (Huygens)
Dwarf planets
Heliopause (Voyager 1)
Pluto (Pluto Express)
Jupiter (Juno)
# The Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 21</td>
<td>Introduction and Scheduling</td>
<td>Michael Cushing</td>
</tr>
<tr>
<td>Aug 28</td>
<td>The Formation Environment of the Solar System</td>
<td>Tom Allen</td>
</tr>
<tr>
<td>Sep 04</td>
<td>Mercury</td>
<td>Michelle Deady</td>
</tr>
<tr>
<td>Sep 11</td>
<td>Titan</td>
<td>Nicole Karnath</td>
</tr>
<tr>
<td>Sep 18</td>
<td>Dwarf Planets</td>
<td>Carl Starkey</td>
</tr>
<tr>
<td>Sep 25</td>
<td>Jupiter</td>
<td>Kevin Hardegree-Ullman</td>
</tr>
<tr>
<td>Oct 02</td>
<td>Main Belt Comets</td>
<td>Johnathan Rice</td>
</tr>
<tr>
<td>Oct 09</td>
<td>Space Weather</td>
<td>Joseph Booker</td>
</tr>
<tr>
<td>Oct 16</td>
<td>Io</td>
<td>Cody Gerhertz</td>
</tr>
<tr>
<td>Oct 23</td>
<td>The Heliopause and IBEX</td>
<td>Lesley Simanton</td>
</tr>
<tr>
<td>Oct 30</td>
<td>Pluto</td>
<td>Alex Mulia</td>
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<tr>
<td>Nov 06</td>
<td>TBD</td>
<td>Aditya Togi</td>
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<tr>
<td>Nov 13</td>
<td>Saturn</td>
<td>Brian Mazur</td>
</tr>
<tr>
<td>Nov 20</td>
<td>Mars</td>
<td>Jesica Trucks</td>
</tr>
<tr>
<td>Nov 27</td>
<td>Thanksgiving</td>
<td>N.A.</td>
</tr>
<tr>
<td>Dec 04</td>
<td>Award for best talk</td>
<td>Michael Cushing</td>
</tr>
</tbody>
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