Stanford Graduate Student Orientation 2014

SLAC Session - Introduction

Lance Dixon, PPA faculty chair
Bill Weis, PS faculty chair
A complex structure, but also means more opportunities.

You can choose faculty advisors from 4 departments.

SLAC as a national lab and also an academic school is unique to Stanford/SLAC.

1st year rotations may help you steer through the maze...

SLAC Dean is Lab Director Chi-Chang Kao
Resources at SLAC

• The vast resources of a national laboratory is for you to take advantage of for your own education
  – Accelerator facilities
  – Computing and software expertise
  – Engineering expertise
  – Variety of events

• Marguerite shuttles operate 7:30am~8:30pm between campus and SLAC ~every 20min during week days. Use to get back today!
Research at SLAC

- The diverse research activities at SLAC are summarized at [https://www6.slac.stanford.edu/research](https://www6.slac.stanford.edu/research)

- Astrophysics and cosmology
- Elementary particle physics
- Accelerator Research
- Biology
- Environmental Science
- Materials, Chemistry & Energy Sciences
SLAC Contacts and Information

• SLAC PPA faculty:
  – Chair: Prof. Lance Dixon
  – Graduate Student Program: Prof. Su Dong
  – Graduate Student Support: Judy Meo
  – List of faculty:  [http://home.slac.stanford.edu/ppa/PPAFacultyIndex.html](http://home.slac.stanford.edu/ppa/PPAFacultyIndex.html)
  – Research information:

• SLAC Photon Science faculty:
  – Chair: Prof. Bill Weis
  – List of faculty:
    [http://home.slac.stanford.edu/photonScienceFaculty.html](http://home.slac.stanford.edu/photonScienceFaculty.html)
  – Research information:
    [https://www6.slac.stanford.edu/about/organization/photon-science.aspx](https://www6.slac.stanford.edu/about/organization/photon-science.aspx)
# SLAC Orientation Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Program/Presentation</th>
<th>Speaker/organizer</th>
<th>talk files/material</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30--8:50</td>
<td>Travel to SLAC</td>
<td>Bus will wait at Roth Way and depart 8:30am sharp</td>
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<tr>
<td>8:50--9:00</td>
<td>Redwood Room*</td>
<td>Light Refreshment</td>
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<tr>
<td>9:00--9:20</td>
<td>Redwood Room</td>
<td>Introduction</td>
<td>Lance Dixon, Bill Weis</td>
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<tr>
<td>9:20--9:45</td>
<td>Redwood Room</td>
<td>Accelerator Physics</td>
<td>Tor Raubenheimer</td>
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<tr>
<td>9:45--10:05</td>
<td>Redwood Room</td>
<td>LCLS</td>
<td>Alan Fry</td>
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<tr>
<td>10:05--10:25</td>
<td>Redwood Room</td>
<td>SSRL</td>
<td>Aaron Lindenberg</td>
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<tr>
<td>10:25--10:45</td>
<td>Redwood Room</td>
<td>Photon Science</td>
<td>David Reis</td>
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<tr>
<td>10:45--11:00</td>
<td>ROB patio/hallway</td>
<td>Break</td>
<td></td>
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<tr>
<td>11:00--11:20</td>
<td>Redwood Room</td>
<td>Particle Physics Theory</td>
<td>JoAnne Hewett</td>
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<tr>
<td>11:20--11:35</td>
<td>Redwood Room</td>
<td>Particle Physics Experiments</td>
<td>Ariel Schwartzman</td>
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<tr>
<td>11:35--11:45</td>
<td>Redwood Room</td>
<td>Dark Matter Search: LUX/LZ</td>
<td>Tom Shutt</td>
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<tr>
<td>11:45--12:05</td>
<td>Redwood Room</td>
<td>Particle-Astro Experiments</td>
<td>Aaron Roodman</td>
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</tbody>
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| 12:30--14:00| ROB patio/hallway | Lunch + Poster session **  
(lunch prioritized to serve new students and poster authors first)  
Conversations between students and faculty/staff |                      |                     |