Draft Summer 2011 Schedule
04/14/11

Saturday
6:00 p.m. – 8:00 p.m. Pre-Registration
6:30 p.m. - 7:30 p.m. Review Board
6:30 p.m. - 7:30 p.m. PTRA Advisory Board
7:30 p.m. - 9:30 p.m. Awards Committee

Sunday, July 31
7:00 a.m. - 4:00 p.m. Registration
8:00 a.m. - 10:30 a.m. Meetings Committee Meeting
10:30 a.m. - 5:30 p.m. Executive Board I
11:30 a.m. - 2:00 p.m. Resource Letters
10:30 a.m. - 11:30 a.m. Nominating Committee
5:30 p.m. - 6:30 p.m. Programs I
5:30 p.m. - 6:30 p.m. Section Officers Exchange
6:30 p.m. - 8:00 p.m. Section Representatives
6:00 p.m. - 8:00 p.m. High School Share-a-thon
6:30 p.m. - 8:00 p.m. Committee Meetings: TYC, History & Philosophy, WIP, SI & Metric Units, Labs
7:30 p.m. – 9:00 p.m. Registration
8:00 p.m. -10:00 p.m. Opening Reception in the Exhibit Hall
8:00 p.m. -10:00 p.m. SPS Undergraduate Research and Outreach Poster Session

Monday, August 1
7:00 a.m. – 5:00 p.m. Registration
7:00 a.m. - 8:00 a.m. First Timers Breakfast
7:00 a.m. - 8:00 a.m. Retired Physicists Breakfast
7:00 a.m. - 8:00 a.m. Bauder Committee
8:00 a.m. - 10:00 a.m. Sessions AA-AI
  • AA PIRA: Outreach from the Ground Up
  • AB Objectives and Assessment of the Physics Graduate Program
  • AC Physics Education Research Around the World I
  • AD Reflections on the Gordon Conference on Experimental Research and Labs in Physics Education
  • AE PER Investigating Classroom Strategies I
  • AF Learning Progressions
  • AG Methods to Improve Conceptual Learning in Quantum Mechanics
8:30 a.m. - 10:00 a.m. Session
  • AJ Astronomy Teaching and Learning
  • AH Best Practices in the Use of Educational Technology I
  • AI Potpourri of Teacher Preparation Programs
  • AJ Astronomy Teaching and Learning
10:00 a.m. - 11:00 a.m. Spouses’ Gathering
### Monday, August 1 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:00 a.m. - 6:00 p.m.</td>
<td>Exhibit Hall Open</td>
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<tr>
<td>10:00 a.m. - 10:30 a.m.</td>
<td>Break in the Exhibit Area</td>
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<td>10:30 a.m. - 11:30 a.m.</td>
<td>Plenary: Jim Stith, AIP, &quot;Reaching out to the Public – A Necessary Dialogue”</td>
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<td>- Announcement of AIP Writing Award, recognition of local organizer (Jack Gable)</td>
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<td>- Announcement of upcoming special events</td>
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<td>11:30 a.m. - 12:30 p.m.</td>
<td>Young Physicist Meet and Greet</td>
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<td>11:30 a.m. - 12:30 p.m.</td>
<td>Crackerbarrel: Professional Concerns of Faculty in Small Departments</td>
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<td>11:30 a.m. - 12:30 p.m.</td>
<td>Crackerbarrel:</td>
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<td>11:30 a.m. - 12:30 p.m.</td>
<td>PERTG Town Hall</td>
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<td>11:30 a.m. - 12:45 p.m.</td>
<td>Membership and Benefits</td>
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<td>11:30 a.m. - 12:45 p.m.</td>
<td>AAPT Board No-host lunch with APS Fed Members attending meeting (available board members only)</td>
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<td>11:30 a.m. - 1:00 p.m.</td>
<td>Committee Meetings: CSEP, Ed Tech, TP, Minorities, International</td>
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<td>1:00 p.m. - 3:00 p.m.</td>
<td>Sessions BA-BJ</td>
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<td>- BA Don't Put That Phone Away: Personal Electronics in the Classroom</td>
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<td>- BB Best Practices in the Use of Educational Technologies II</td>
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<td>- BC PER Problem Solving I</td>
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<td>- BD Using Literature to Teach Physics (40 minutes)</td>
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<td>- BE Preparing Minority Students for Graduate School</td>
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<td>- BF Space-time Physics</td>
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<td>- BG Energy and the Environment</td>
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<td>- BH Induction and Mentoring of Physics Teachers</td>
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<td>- BI Cross Campus Collaboration: What I Learned From the Liberal Arts About Teaching Physics</td>
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<td>3:00 p.m. - 3:30 p.m.</td>
<td>Break in the Exhibit Hall</td>
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<td>3:30 p.m. - 5:00 p.m.</td>
<td>APS Division of Condensed Matter Physics Session: Frontiers in Nanoscience:</td>
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<td>- 3:30-4:15 Barbara Jones: A Perspective on the Future of Nanotechnology</td>
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<td>- 4:15-5:00 Jeremy Levy: Etch-a-Sketch Nanoelectronics</td>
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<td>5:00 p.m. - 6:30 p.m.</td>
<td>Committees: Professional Concerns, Undergrad Ed, HS, PIRA</td>
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<td>5:00 p.m. - 6:00 p.m.</td>
<td>Undergraduate Awards Reception</td>
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<td>6:30 p.m. - 8:00 p.m.</td>
<td>Sessions CA-CG</td>
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<td>- CA Use and Misuse of Lasers</td>
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<td>- CB PER Student Reasoning I</td>
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<td>- CC Best Practices in the Use of Educational Technologies III</td>
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<td>- CD Alternative Assessments and Practicums</td>
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<td>- CE Physics Courses With Labs Taught Entirely On-Line</td>
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<td>- CF Physics of Sports</td>
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<td>- CG Indigenous Astronomy</td>
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<td>- CH Science and Society</td>
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<td>8:00 p.m. - 9:30 p.m.</td>
<td>Posters Session 1</td>
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Tuesday, August 2

7:00 a.m. - 4:30 p.m. Registration
6:30 a.m. - 7:30 a.m. AM Run/Walk
7:30 a.m. - 8:30 a.m. Physics Bowl Advisory Committee
8:30 a.m. - 10:00 a.m. Sessions DA-DH
   - DA Interactive Lecture Demonstrations: Physics Suite
   - DB Adjunct Faculty Issues
   - DC Educating the Larger Public About Science: Lessons from Public Institutions
   - DD Astronomical Image Processing
   - DE The Big Bang Effect: Representation of Physicists in Popular Culture [8:30-10:10]
   - DF Research Based Pedagogy in the High School
   - DG New AP B Where Are You?
   - DH Research on Learning Assistants and TAs
   - DI PER Student Reasoning II
10:00 a.m. - 10:30 a.m. National AAPT What’s In It for High School Teachers
10:00 a.m. - 4:00 p.m. Exhibit Hall Open
10:00 a.m. - 10:30 a.m. Break in the Exhibit Area
10:30 a.m. - 12:15 p.m. Millikan Medal, AAPT Teaching Awards
   Millikan: Brian Jones
   Zitzewitz Pre-College Teaching Award: Stacy McCormack
   Halliday/Resnick Undergraduate Teaching Award: Edward Prather
12:15 p.m. - 1:15 p.m. Audit Committee
12:15 p.m. - 1:15 p.m. Crackersbarrels:
   - Professional Concerns of PER Solo Faculty
   - Crackerbarrel on Adjunct Issues
   - Crackerbarrel: Using Simulations Interactively in the Classroom
   - Crackerbarrel: New Methods of Teacher Evaluation
1:15 p.m. - 3:15 p.m. Sessions EA
   - EA Impact of New K-12 Standards on Teachers and Teacher Training (1 hr)
1:15 p.m. - 3:15 p.m. Sessions EA-EK
   - EB PER Topical Understanding and Attitudes
   - EC Digital Textbooks: Possibilities and Perils
   - ED What Do We Know About Web 2.0?
   - EE Upper Division Laboratories and Classes: Ideas, Equipment and Techniques
   - EF Reforming the Introductory Physics Course for Life Science Majors V
   - EG The Art and Science of Teaching
   - EH Research on Student Learning Of Energy
   - EI Physics Education Research around the World II
2:15 p.m. - 3:05 p.m. Session EJ
   - EJ Recruiting Students to High School Physics
Tuesday, August 2 (continued)

3:15 p.m. - 3:45 p.m.  Break/GREAT BOOK GIVEAWAY?
3:15 p.m. - 5:15 p.m.  Little Shop of Physics Demos/Display
4:45 p.m. - 5:15 p.m.  High School Teacher First Timers Gathering
3:45 p.m. - 5:15 p.m.  Committees: RIPE, Pre-HS, Grad Ed, SSA, Senior, Apparatus
5:15 p.m. - 6:45 p.m.  Poster Session II
7:15 p.m. - 8:15 p.m.  Pizza Extravaganza
8:30 - 10:00 p.m.  Demo Show

Wednesday, August 3

8:00 a.m. - 3:00 p.m.  Registration
7:00 a.m. - 8:20 a.m.  Programs II
7:00 a.m. - 8:30 a.m.  COGS
7:30 a.m. - 8:30 a.m.  Finance Committee (If needed)
8:00 a.m. - 10:00 a.m.  Sessions FA-FB
    • FA PER Investigating Classroom Strategies II
    • FB Teaching Physics Around the World
8:30 a.m. - 10:00 a.m.  Sessions FC-FI
    • FC Innovative Labs for Introductory Courses
    • FD Physics and Society Education
    • FE Developing Teacher Leaders
    • FF Introductory Courses
    • FG New Avenues for Collaboration and Mentoring
    • FH Assessment Beyond Conceptual Inventories
    • FI Teacher Training and Enhancement
10:00 a.m. - 10:15 a.m.  Break
10:15 a.m. - 11:30 p.m.  Ceremonial Session: Klopsteg Award, Distinguished Service Awards
                        Distinguished Service Awards: Steve Turley, John Roeder, Todd Leif, Drew Isola
11:30 a.m. - 1:00 p.m.  Nominating Committee II
12:00 p.m. - 1:00 p.m.  ALPhA meeting
12:00 p.m. - 1:00 p.m.  Crackerbarrels:
    • PERLOC
    • Crackerbarrel for PER Graduate Students
    • Crackerbarrel on Physics and Society Education
    • Crackerbarrel: Ideas and Resources for Using History to Teach Physics
1:00 p.m. - 3:00 p.m.  Sessions GA-GF
    • GA Developing a Network of Cooperating Teachers
    • GB High Performance Computing
    • GC Laboratories for Astronomy
    • GD PER in the High School
    • GE Major Consequences of Minor Dishonesty in Physics Classes
    • GF Research in Undergraduate Math Education
    • GG Post Deadline I
    • GH PER Problem Solving II
Wednesday, August 3 (continued)

3:00 p.m. - 6:00 p.m.  Board II
3:15 p.m. - 4:45 p.m.  PERC Bridging Session
3:00 p.m. - 4:00 p.m.  Venture Fund Committee (If needed), Investment Advisory Committee