## Session Tracks

Here are some suggestions based on broader topics. For a more detailed list, please reference the program book.

### Astronomy
- **AD:** Frontiers of Space Science & Human Space Flight  
  Sunday, 11:00 - 11:40 a.m.  
  International 7
- **CB:** Astronomy Education Research  
  Sunday, 4:00 - 6:00 p.m.  
  International 5
- **DB:** Teaching Strong Gravity: Black Holes in the Classroom  
  Monday, 11:00 a.m. – 12:00 p.m.  
  International 4
- **EA:** Astronomy Papers  
  Monday, 3:30 - 5:30 p.m.  
  International 4
- **EF:** Science Café  
  Monday, 3:30 - 5:30 p.m.  
  International 9
- **FA:** Solar Eclipse  
  Monday, 7:00 - 8:10 p.m.  
  International 5
- **GA:** Astronomy Outreach & Planetarium Education  
  Tuesday, 8:30 - 10:30 a.m.  
  International 4
- **TOP06:** Bring the 2017 Solar Eclipse into your Class!  
  Monday, 8:00 - 9:30 a.m.  
  International 5

### General Faculty Interest
- **AC:** The Physics of the NSF IUSE Program  
  Sunday, 10:00 a.m. - 12:00 p.m.  
  International 6
- **BC:** Interactive Lecture Demonstrations: What's New? ILDs Using Clickers & Vid. Analysis  
  Sunday, 2:00 - 3:00 p.m.  
  International 6
- **DE:** 30 Demos in 60 Minutes  
  Monday, 11:00 a.m. - 12:30 p.m.  
  International 9
- **GD:** Work/Life Balance  
  Tuesday, 8:30 - 10:30 a.m.  
  International 10
- **HF:** The Wonderful World of AJP  
  Tuesday, 12:30 - 2:30 p.m.  
  International 10
- **TOP01:** The Fulbright Experience  
  Sunday, 9:00 – 10:30 a.m.  
  M106

### Graduate Physics Education
- **HD:** Professional Skills for Graduate Students  
  Tuesday, 12:30 - 2:30 p.m.  
  International 9
- **TOP03:** Graduate Student Topical Discussion  
  Sunday, 6:00 - 7:30 p.m.  
  M106

### High School Physics
- **AA:** Teaching Scientific Practices in High School and College Labs  
  Sunday, 10:00 - 11:50 a.m.  
  International 4
- **BA:** Introductory Courses (General)  
  Sunday, 2:00 - 3:00 p.m.  
  International 4
- **CA:** Maker Spaces in K-12  
  Sunday, 4:00 - 5:40 p.m.  
  International 4
- **CE:** High School  
  Sunday, 4:00 - 5:30 p.m.  
  International 8
- **CF:** Introductory Labs/Apparatus  
  Sunday, 4:00 - 6:00 p.m.  
  International 9
- **DE:** 30 Demos in 60 Minutes (Panel)  
  Monday, 11:00 a.m. - 12:30 p.m.  
  International 9
- **EC:** 21st Century Physics in the Classroom  
  Monday, 3:30 - 5:30 p.m.  
  International 6
- **GG:** Introductory Courses  
  Tuesday, 8:30 - 10:10 a.m.  
  International 7
- **TOP06:** Bring the 2017 Solar Eclipse into your Class!  
  Monday, 8:00 – 9:30 a.m.  
  International 5

### International Physics Education
- **BE:** Tools to Support the Conceptual Understanding of Magnetism & Quantum Mechanics  
  Sunday, 2:00 - 3:40 p.m.  
  International 8
- **HE:** Induction and Mentoring of Early Career Teachers  
  Tuesday, 12:30 - 2:30 p.m.  
  International 8

### Introductory Classes
- **BA:** Introductory Courses (General)  
  Sunday, 2:00 - 3:00 p.m.  
  International 4
- **CC:** New Resources and Pedagogy for the IPLS Course  
  Sunday, 4:00 - 6 p.m.  
  International 6
- **GG:** Introductory Courses  
  Tuesday, 8:30 - 10:10 a.m.  
  International 7

### Labs/Apparatus
- **AA:** Teaching Scientific Practices in High School and College Labs  
  Sunday, 10:00 - 11:50 a.m.  
  International 4
- **AB:** Understanding the Apparatus  
  Sunday, 10:00 a.m. - 12:00 p.m.  
  International 5
- **BC:** Interactive Lecture Demonstrations: What's New? ILDs Using Clickers & Vid. Analysis  
  Sunday, 2:00 - 3:00 p.m.  
  International 6
- **CA:** Maker Spaces in K-12  
  Sunday, 4:00 - 5:40 p.m.  
  International 4
- **CF:** Introductory Labs/Apparatus  
  Sunday, 4:00 - 6 p.m.  
  International 9
- **EE:** Lab Guidelines Focus Area 4: Communication  
  Monday, 3:30 - 5:30 p.m.  
  International 8
- **FE:** Labs/Apparatus (General)  
  Monday, 7:00 - 8:00 p.m.  
  International 9
- **GC:** Developing Project-based Lab Courses  
  Tuesday, 8:30 - 10:30 a.m.  
  International 6

### Physics, Society, Policy and Outreach
- **EF:** Science Café  
  Monday, 3:30 - 5:30 p.m.  
  International 9
- **GE:** Engaging the Public with Festivals  
  Tuesday, 8:30 – 10:30 a.m.  
  International 8
- **GF:** Video of the week  
  Tuesday, 8:30 - 10:30 a.m.  
  International 9
- **HB:** Cold War Physics  
  Tuesday, 12:30 - 1:30 p.m.  
  International 6
- **TOP02:** Physics & Society Topical Discussion  
  Sunday, 6:00 - 7:30 p.m.  
  International 3
### Physics and Educational Technologies

<table>
<thead>
<tr>
<th>AB: Understanding the Apparatus</th>
<th>Sunday, 10:00 a.m. - 12:00 p.m.</th>
<th>International 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG: Effective Practices for Integrating Computation into the Curriculum</td>
<td>Sunday, 10:00 a.m. - 12:00 p.m.</td>
<td>International 10</td>
</tr>
<tr>
<td>DC: Effective Practices in Educational Technologies</td>
<td>Monday, 11:00 a.m. - 12:00 p.m.</td>
<td>International 5</td>
</tr>
<tr>
<td>EB: Technologies</td>
<td>Monday, 3:30 - 4:40 p.m.</td>
<td>International 5</td>
</tr>
<tr>
<td>GF: Video of the week</td>
<td>Tuesday, 8:30 - 10:30 a.m.</td>
<td>International 9</td>
</tr>
</tbody>
</table>

### Physics Education Research

| BD: PER: Diverse Investigations | Sunday, 2:00 - 3:20 p.m. | International 7 |
| CB: Astronomy Education Research | Sunday, 4:00 - 6:00 p.m. | International 5 |
| CD: Results of APEX (Alabama Physics Excellent) Professional Development Project | Sunday, 4:00 - 6:00 p.m. | International 7 |
| DF: PER: Evaluating Instructional Strategies | Monday, 11:00 a.m. - 12:30 p.m. | International 8 |
| EB: Technologies | Monday, 3:30 - 4:40 p.m. | International 5 |
| FD: PER: Examining Content Understanding and Reasoning | Monday, 7:00 - 8:20 p.m. | International 8 |
| HA: Challenges Faced by LGBT Physicists | Tuesday, 12:30 - 1:50 p.m. | International 5 |

### Physics in Pre-High School

| AF: Lessons from the Pre-HS Community | Sunday, 10:00 a.m. - 12:00 p.m. | International 9 |
| BB: Institutional Support For Elementary Teacher Physics Training | Sunday, 2:00 - 3:20 p.m. | International 5 |
| CA: Maker Spaces in K-12 | Sunday, 4:00 - 5:40 p.m. | International 4 |
| HE: Induction and Mentoring of Early Career Teachers | Tuesday, 12:30 - 2:30 p.m. | International 8 |

### Supporting Diversity

| AE: Self-Efficacy, Resilience, and Persistence for Underrepresented Women: | Sunday, 10:00 - 11:50 p.m. | International 8 |
| CG: Creating Inclusive Environments at Conferences | Sunday, 4:00 - 6:00 p.m. | International 10 |
| DD: Societal Influences on Students' Career Paths | Monday, 11:00 a.m. - 12:20 p.m. | International 6 |
| EF: Science Café | Monday, 3:30 - 5:30 p.m. | International 9 |
| GB: Phys Rev Focused Collection on Gender in Physics | Tuesday, 8:30 - 10:30 a.m. | International 5 |
| GD: Work/Life Balance | Tuesday, 8:30 - 10:30 a.m. | International 10 |
| HA: Challenges Faced by LGBT Physicists | Tuesday, 12:30 - 1:50 p.m. | International 5 |
| TOP05: Best Practices to Make Women Welcome in Physics Booklet | Monday, 8:00 - 9:30 a.m. | International 4 |

### Teacher Preparation and Induction

| BB: Institutional Support For Elementary Teacher Physics Training | Sunday, 2:00 - 3:20 p.m. | International 5 |
| CD: Results of APEX (Alabama Physics Excellent) Professional Development Project | Sunday, 4:00 - 6:00 p.m. | International 7 |
| DD: Societal Influences on Students' Career Paths | Monday, 11:00 a.m. - 12:20 p.m. | International 6 |
| FB: UTeach in Physics | Monday, 7:00 - 8:30 p.m. | International 6 |
| FC: Building Institutional Support for your Physics Teacher Preparation Program | Monday, 7:00 - 8:10 p.m. | International 7 |
| HE: Induction and Mentoring of Early Career Teachers | Tuesday, 12:30 - 2:30 p.m. | International 8 |

### Two-Year College Physics

| EC: 21st Century Physics in the Classroom | Monday, 3:30 - 5:30 p.m. | International 6 |
| FA: Solar Eclipse | Monday, 7:00 - 8:10 p.m. | International 5 |
| TOP04: Two Year College Issues | Monday, 8:00 - 9:30 a.m. | International 3 |

### Undergraduate and Graduate Student Interests

| DD: Societal Influences on Students' Career Paths | Monday, 11:00 a.m. - 12:20 p.m. | International 6 |
| ED: Non-academic Career Trajectories | Monday, 3:30 - 4:30 p.m. | International 7 |
| GD: Work/Life Balance | Tuesday, 8:30 - 10:30 a.m. | International 10 |
| HD: Professional Skills for Graduate Students | Tuesday, 12:30 - 2:30 p.m. | International 9 |
| TOP03: Graduate Student Topical Discussion | Sunday, 6:00 - 7:30 p.m. | M106 |

### Undergraduate Physics Education

<p>| AA: Teaching Scientific Practices in High School and College Labs | Sunday, 10:00 - 11:50 a.m. | International 4 |
| AB: Understanding the Apparatus | Sunday, 10:00 a.m. - 12:00 p.m. | International 5 |
| AC: The Physics of the NSF IUSE Program | Sunday, 10:00 a.m. - 12:00 p.m. | International 6 |
| AG: Effective Practices for Integrating Computation into the Curriculum | Sunday, 10:00 a.m. - 12:00 p.m. | International 10 |
| BA: Introductory Courses (General) | Sunday, 2:00 - 3:00 p.m. | International 4 |
| BC: Interactive Lecture Demonstrations: What's New? ILDs Using Clickers&amp; Vid. Analysis | Sunday, 2:00 - 3:00 p.m. | International 6 |
| BE: Tools to Support the Conceptual Understanding of Magnetism &amp; Quantum Mechanics | Sunday, 2:00 - 3:40 p.m. | International 8 |
| CC: New Resources and Pedagogy for the IPLS Course | Sunday, 4:00 - 6:00 p.m. | International 6 |
| CF: Introductory Labs/Apparatus | Sunday, 4:00 - 6:00 p.m. | International 9 |
| DA: Project-based Learning for Introductory Physics for Life Science | Monday, 11:00 a.m. - 12:30 p.m. | International 7 |
| DD: Societal Influences on Students' Career Paths | Monday, 11:00 a.m. - 12:20 p.m. | International 6 |</p>
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<td>DE</td>
<td>Demos in 60 Minutes (Panel)</td>
<td>Monday, 11:00 a.m. - 12:30 p.m.</td>
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<td>ED</td>
<td>Non-academic Career Trajectories</td>
<td>Monday, 3:30 - 4:30 p.m.</td>
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<td>Monday, 3:30 - 5:30 p.m.</td>
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<tr>
<td>EG</td>
<td>Report of the APS/AAPT Joint Task Force on Undergraduate Physics Programs: Case Studies and Recommendations</td>
<td>Monday, 3:30 - 5:30 p.m.</td>
<td>International 10</td>
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<td>FB</td>
<td>UTeach in Physics</td>
<td>Monday, 7:00 - 8:30 p.m.</td>
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<td>FE</td>
<td>Labs/Apparatus (General)</td>
<td>Monday, 7:00 - 8:00 p.m.</td>
<td>International 9</td>
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<td>GG</td>
<td>Introductory Courses</td>
<td>Tuesday, 8:30 - 10:10 a.m.</td>
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**Upper Division Undergraduate Physics**

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<td>Tools to Support the Conceptual Understanding of Magnetism &amp; Quantum Mechanics</td>
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