Career Activities and Events

APS March 2005 Meeting
March 21-25, 2005
Los Angeles, CA
http://149.28.120.22/meet/MAR05/

Career Workshop
Sunday, March 20
3:00pm-7:00pm
Room 153ABC, LACC
The APS will offer a career workshop free of charge to all APS attendees. The purpose of the workshop is to provide information on career choices in physics. Topics such as: How to Prepare an Effective Resume; Interviewing Skills; Networking; Job Search Skills; Clarifying expectations; Diverse Options, and more will be covered at the workshop. Each workshop participant will receive a package of career development materials. No pre-signup for the workshop is required.

APS Job Fair
Monday, March 21, 10:00am - 5:00pm
Tuesday, March 22, 10:00am - 5:00pm
Wednesday, March 23, 10:00am - 4:00pm

A beneficial feature of the meeting is the Job Fair sponsored by the APS. The purpose of the Job Fair is to facilitate communication between employers and candidates.

Service to Employers: ADVANCE REGISTRATION IS STRONGLY RECOMMENDED
Job Fair registration includes posting positions, accessing resumes, and interviewing prospective candidates (space is provided). Employment Recruiting Booths will be available to provide personal meeting space, display area and direct access to candidates. If you are unable to attend, you may post jobs at the Job Fair. Interested candidates will contact you directly. There is a modest fee for employer services. Discounted rates are given for advance registration. To register, go to https://www.aip.org/forms/reg_apsmarch05.html.

Service to Job Seekers: ADVANCE REGISTRATION IS STRONGLY RECOMMENDED
The Job Fair is free of charge to candidates seeking employment. Job Fair registration includes posting your resume, accessing current job postings, and interviewing with prospective employers. Please bring at least 25 copies of your 1-3 page resume. To register, go to https://www.aip.org/forms/candreg_apsmarch05.html.

If you are unable to attend, we will gladly post your resume at the Job Fair. Please send a copy of your 1-3 page resume to the address below with a cover letter stating your citizenship and willingness to relocate and reference to the APS MARCH JOB FAIR. For additional information, please contact Alix Brice at:
Professional Skills Development for Women Physicists
Sunday, March 20
Workshop: 8:30am - 5:00pm
Reception: 5:00-6:30 pm
Westin Bonaventure Hotel, Santa Barbara B
One-day workshop will offer training on persuasive negotiation and communication skills for tenured women physicists. Workshop will be led by professional facilitators using an interactive format that encourages highly personal learning. Lunch will be provided and a reception for participants will follow the workshop. Limited to 30 participants. Information can be found at http://www.aps.org/educ/cswp/skills/. Deadline to apply was December 1. No on-site registration.

CSWP/FIAP Networking Breakfast
Tuesday, March 22
7:30am-9:30am
Westin Hotel, San Fernando Room
SWP and the Forum on Industrial and Applied Physics (FIAP) will co-sponsor a networking breakfast. Enjoy a full breakfast and an informal talk by Laura Smoliar (pdf) of Lightwave Electronics, followed by an opportunity to network with colleagues. All are welcome, both men and women. Cost: $20. Complimentary registration for physics students. Pre-registration strongly advised as there is limited space for walk-ins.

Registration Form - (http://149.28.120.22/educ/cswp/loader.cfm?url=/commonspot/security/getfile.cfm&PageID=59643)

Tuesday, March 22 - 6:00pm - 7:00pm
Students Lunch with the Experts
Wednesday, March 23
1:00pm–2:30pm
Petree C/LACC
Students can sign up on-site to enjoy a complimentary box-lunch while participating in an informal discussion with an expert on a topic of interest to them. Topics are listed in the bulletin. Sign-up will take place beginning on Monday, March 21 at 1:00pm at the APS registration desk, and will be on a first-come, first-served basis. Attendance is limited to eight students per topic/expert. You must show your ticket and badge at the door, and sit at the table for which you have a ticket.
CSWP/COM Reception
Wednesday, March 23
6:00 pm-7:30 pm
Westin Hotel, Santa Anita A
Come network with friends and enjoy refreshments. Details will be available on programs of the Committee on the Status of Women in Physics and the Committee on Minorities in Physics.

Session M15: FIAP Business Meeting
Tuesday, March 22, 2005
5:30PM - 6:30PM
Sponsoring Unit: FIAP
Chair: Sharon Glotzer, University of Michigan
Los Angeles Convention Center - 405

Session D3: Diversity Issues and Remedies
Monday, March 21, 2005
Sponsoring Units: CSWP/COM
Chair: Pat Mooney, IBM TJ Watson
LACC - 515B

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
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<tbody>
<tr>
<td>2:30PM - 3:06PM</td>
<td>D3.00001: Einstein on Diversity</td>
<td>Invited Speaker: James Gates</td>
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<tr>
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<td>[Preview Abstract]</td>
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<tr>
<td>3:06PM - 3:42PM</td>
<td>D3.00002: Women and Minorities in Physics</td>
<td>Invited Speaker: Rachel Ivie</td>
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<td>[Preview Abstract]</td>
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<tr>
<td>3:42PM - 4:18PM</td>
<td>D3.00003: Faculty Gender Equity Study at UCSD: The Successes, The Problems, and Some Remedies</td>
<td>Invited Speaker: Katja Lindenberg</td>
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<td>[Preview Abstract]</td>
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<tr>
<td>4:18PM - 4:54PM</td>
<td>D3.00004: The Status of African American Physicists within the DOE Laboratories</td>
<td>Invited Speaker: Keith Jackson</td>
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<td>[Preview Abstract]</td>
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<tr>
<td>4:54PM - 5:30PM</td>
<td>D3.00005: What Works for Hiring a Diverse Faculty</td>
<td>Invited Speaker: Myra Gordon</td>
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Session D39: SPS Undergraduate Research II
Monday, March 21, 2005
Chair: Gary White, AIP
LACC - 514
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>2:30PM - 2:42PM</td>
<td>D39.0001</td>
<td>Detecting the Exoplanet Transits of HD 209458 and TrES-1</td>
<td>Tracey Wellington, Dr. Tom Michalik</td>
</tr>
<tr>
<td>2:54PM - 3:06PM</td>
<td>D39.0003</td>
<td>Design of a Six Degree of Freedom Thrust Sensor for a Hybrid Rocket</td>
<td>Tripp McGehee, Doug Woten, Ann Wright</td>
</tr>
<tr>
<td>3:06PM - 3:18PM</td>
<td>D39.0004</td>
<td>Design of Force Sensor Leg for a Rocket Thrust Detector</td>
<td>Douglas Woten, Tripp McGehee, Anne Wright</td>
</tr>
<tr>
<td>3:18PM - 3:30PM</td>
<td>D39.0005</td>
<td>Large Ring Laser Gyroscopes for Geophysical Measurements</td>
<td>Julie Coats, Robert Dunn</td>
</tr>
<tr>
<td>3:30PM - 3:42PM</td>
<td>D39.0006</td>
<td>Microscale Correlation of Rainfall Characteristics with Lightning</td>
<td>Barret Viss, Arnold Sikkema</td>
</tr>
<tr>
<td>3:42PM - 4:18PM</td>
<td>D39.0007</td>
<td>An Analytical Overview of the Nucleus Jobsite</td>
<td>Invited Speaker: Kibrom Tewolde</td>
</tr>
<tr>
<td>4:18PM - 4:30PM</td>
<td>D39.0008</td>
<td>Comparison of High-Energy Hadronic Shower Profiles Measured with Scintillation and Cerenkov Light</td>
<td>Jafet Morales</td>
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<tr>
<td>4:30PM - 4:42PM</td>
<td>D39.0009</td>
<td>Simulations of ion transport in T-shaped RF-Paul traps</td>
<td>James Rabchuk, Jacob Burress</td>
</tr>
<tr>
<td>4:42PM - 4:54PM</td>
<td>D39.0010</td>
<td>Study Of Fe(x)Zn(1-x)F2 Using Ising Model and Optical Faraday Rotation</td>
<td>Araceli Lopez-Garibay, Yvonne Rodriguez, David P. Belanger</td>
</tr>
<tr>
<td>4:54PM - 5:06PM</td>
<td>D39.0011</td>
<td>Quantum State and Process Tomography</td>
<td>Matthew Krems, Daniel James</td>
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**Session P7: Oh the Places You'll Go, Career Paths in Physics**

**Wednesday, March 23, 2005**
**Sponsoring Unit: FGSA**
**Chair: Lindley Winslow, University of California-Berkeley**

### LACC - 408B

**Wednesday, March 23, 2005**

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<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>11:15 AM–11:51 AM</td>
<td><strong>P7.00001 : A Physicist as President of the University</strong>&lt;br&gt;Invited Speaker: <em>Robert Dynes</em></td>
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<tr>
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<td><a href="#">Preview Abstract</a></td>
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<tr>
<td>11:51 AM–12:27 PM</td>
<td><strong>P7.00002 : Becoming a Physicist at a National Laboratory</strong>&lt;br&gt;Invited Speaker: <em>Elaine Chandler</em></td>
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<td><a href="#">Preview Abstract</a></td>
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<tr>
<td>12:27 PM–1:03 PM</td>
<td><strong>P7.00003 : Between Industry and Academia: A Physicist's Experiences at The Aerospace Corporation</strong>&lt;br&gt;Invited Speaker: <em>James Camparo</em></td>
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<td><a href="#">Preview Abstract</a></td>
</tr>
<tr>
<td>1:03 PM–1:39 PM</td>
<td><strong>P7.00004 : A Physicist and a Lawyer</strong>&lt;br&gt;Invited Speaker: <em>Christopher Fuglesang</em></td>
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<td><a href="#">Preview Abstract</a></td>
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Professional Skills Development Workshop for Women Physicists

Friday, April 15
Florida Salon I
Workshop: 8:30am - 5:00pm
Reception: 5:00-6:30 pm
Marriott Waterside Hotel
One-day workshop will offer training on persuasive negotiation and communication skills for tenured women physicists. Workshop will be led by professional facilitators using an interactive format that encourages highly personal learning. Lunch will be provided and a reception for participants will follow the workshop. Limited to 30 participants.
Information can be found at http://www.aps.org/educ/cswp/skills/. Deadline to apply is January 15. No on-site registration.

Career Workshop - Scientific Professionalism in the New Millennium: The Skills You Need to Succeed in Physics-based Careers
Presented by Alaina G. Levine
Friday, April 15
7:30pm-10:00pm
Florida Salons I-II
Complimentary to all April Meeting Attendees
This interactive and humor-filled workshop will address key professional skills which will help physicists and physics students at both the graduate and undergraduate levels succeed in whatever scientific career they choose. Too often, physics students enter the job market with little knowledge of the skills needed to advance and succeed in any professional arena. Participants in this unique and innovative workshop, designed specifically for both the physicist and the physics student, will learn and practice strategic skills such as communication, networking, contact management, and partnering with a mentor, which are crucial to advancing in the job market and beyond, and they will discover how to master and employ them to lead to professional triumph.

You will discover how to empower yourself, and the strategy and importance of getting noticed for your physics talents by not only your boss and colleagues, but others as well, especially your boss's boss and other VIPs. We will also discuss the concept of a brand (which is simply a promise), and how to build and promote the brand that is YOU by establishing yourself as a leader and an expert in your area of knowledge and ability.

Participants will also learn the vast array of resources available to assist them with their career exploration and will learn how to apply the skills developed in the workshop to take the fullest advantage of these opportunities, resources, and contacts.
The workshop will be educational, stimulating, fast-paced, informative, and will not only introduce concepts but teach participants to apply them that very day, giving them the edge they need to succeed in a very competitive job market.

**APS Job Fair**

A beneficial feature of the meeting is the Job Fair. The purpose of the Job Fair is to facilitate communication between employers and job candidates.

**Service to Employers** ([https://www.aip.org/forms/reg_apsapril05.html](https://www.aip.org/forms/reg_apsapril05.html))

Job Fair registration includes posting positions, accessing resumes, and interviewing prospective candidates space is provided. If you are unable to attend, you may post jobs at the Job Fair. Interested candidates will contact you directly. There is a modest fee for employer services. Discounted rates are given for advance registration.

**Service to Job Seekers** ([https://www.aip.org/forms/candreg_apsapril05.html](https://www.aip.org/forms/candreg_apsapril05.html))

The Job Fair is free of charge to candidates seeking employment. Candidates should register on-site as soon as they arrive. To register, you must show that you have registered for the APS meeting. Job Fair registration includes posting your resume, accessing current job postings, and interviews with prospective employers. Please bring at least 25 copies of your 1-3 page resume. If you are unable to attend, we will gladly post your resume at the Job Fair. Please send a copy of your 1-3 page resume to the address below with a cover letter stating your citizenship and willingness to relocate and reference to the APS APRIL JOB FAIR.

For employer registration or for additional information, please contact Alix Brice at:

American Institute of Physics
Career Services Division
One Physics Ellipse
College Park, MD 20740
tel: 301-209-3187; fax: 301-209-0841
email: abrice@aip.org
website: [www.aip.org/careers](http://www.aip.org/careers)

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**Students Lunch with the Experts**

**Monday, April 18**
**12:30pm-1:00pm**
**Tampa Convention Center, Room 18-19**

Students can sign up on-site to enjoy complimentary box-lunch while participating in an informal discussion with an expert on a topic of interest to them. Sign-up will take place beginning on Saturday, April 16 at 1:00pm at the APS registration desk, and will be on a first-come, first-served basis. Attendance is limited to eight students per topic/expert.

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**Session E6: The Problem with Visas: The Impact on Universities, National Labs and Industry**

**Sponsoring Units:** FIP
**Chair:** Helen Quinn, SLAC
**Marriott Tampa Waterside - Grand Salon I/J**

**Saturday, April 16,**
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<th>Time</th>
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<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>Saturday, April 16, 2005</td>
<td>4:06PM - 4:42PM</td>
<td><strong>E6.00002: Restrictions on International Exchange: the view from universities</strong></td>
<td>Alice Gast</td>
<td>National Labs</td>
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### Session H2: Mentoring in Physics Education
**Sponsoring Units:** DNP FEd DPF DAP
**Chair:** Michael Thoennessen, Michigan State University
**Marriott Tampa Waterside - Grand Salon F**

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<tbody>
<tr>
<td>Sunday, April 17, 2005</td>
<td>8:30AM - 9:06AM</td>
<td><strong>H2.00001: Mentoring minorities in physics</strong></td>
<td>Jorge Lopez</td>
<td>National Labs</td>
</tr>
<tr>
<td>Sunday, April 17, 2005</td>
<td>9:06AM - 9:42AM</td>
<td><strong>H2.00002: Time to Thrive, Not Just Survive: Accumulating Advantage for Women in Science</strong></td>
<td>Debra Rolison</td>
<td>National Labs</td>
</tr>
<tr>
<td>Sunday, April 17, 2005</td>
<td>9:42AM - 10:18AM</td>
<td><strong>H2.00003: Alternative Careers for Physicists</strong></td>
<td>James H. Stith</td>
<td>National Labs</td>
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### Session T5: Oh, the Places You Will Go, Interesting Careers in Physics
**Sponsoring Units:** FGSA
**Chair:** Lindley Winslow, University of California-Berkeley
**Marriott Tampa Waterside - Grand Salon G/H**

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<th>Speaker</th>
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<tbody>
<tr>
<td>Monday, April 18, 2005</td>
<td>1:30PM - 2:06PM</td>
<td><strong>T5.00001: Careers for Physicist in Medical and Industrial Imaging</strong></td>
<td>Snezana Bogdanovich</td>
<td>National Labs</td>
</tr>
<tr>
<td>Monday, April 18, 2005</td>
<td>2:06PM - 2:42PM</td>
<td><strong>T5.00002: Doing physics on the nearest planet, or the next one over</strong></td>
<td>Philip Metzger</td>
<td>National Labs</td>
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<tr>
<td>Monday, April 18, 2005</td>
<td>2:42PM - 3:18PM</td>
<td><strong>T5.00003:</strong></td>
<td>Nick Bateman</td>
<td>National Labs</td>
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