

# Career Activities and Events

## APS March 2005 Meeting

March 21-25, 2005

Los Angeles, CA

<http://149.28.120.22/meet/MAR05/>

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### 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](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](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:

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](mailto:abrice@aip.org);  
website: [www.aip.org/careers](http://www.aip.org/careers)

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## **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.

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## **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>)

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## **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.

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## 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.

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## 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

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## Session D3: Diversity Issues and Remedies

Monday, March 21, 2005

Sponsoring Units: CSWP/COM

Chair: Pat Mooney, IBM TJ Watson

LACC - 515B

Monday, March 21, 2005 [D3.00001: Einstein on Diversity](#)

2:30PM - 3:06PM

Invited Speaker: James Gates

[Preview Abstract](#)

Monday, March 21, 2005 [D3.00002: Women and Minorities in Physics](#)

3:06PM - 3:42PM

Invited Speaker: Rachel Ivie

[Preview Abstract](#)

Monday, March 21, 2005 [D3.00003: Faculty Gender Equity Study at UCSD: The Successes, The Problems, and Some Remedies](#)

3:42PM - 4:18PM

Invited Speaker: Katja Lindenberg

[Preview Abstract](#)

Monday, March 21, 2005 [D3.00004: The Status of African American Physicists within the DOE Laboratories](#)

4:18PM - 4:54PM

Invited Speaker: Keith Jackson

[Preview Abstract](#)

Monday, March 21, 2005 [D3.00005: What Works for Hiring a Diverse Faculty](#)

4:54PM - 5:30PM

Invited Speaker: Myra Gordon

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## Session D39: SPS Undergraduate Research II

Monday, March 21, 2005

Chair: Gary White, AIP

LACC - 514

Monday, March 21, 2005 2:30PM - 2:42PM [D39.00001: Detecting the Exoplanet Transits of HD 209458 and TrES-1](#)  
Tracey Wellington , Dr. Tom Michalik

[Preview Abstract](#)

Monday, March 21, 2005 2:42PM - 2:54PM [D39.00002: High Resolution Phase Velocity Measurements in Gases](#)  
E.M. Calleja , D.F. Carlson , S. Qi , J. Cancino , Y. Lee

[Preview Abstract](#)

Monday, March 21, 2005 2:54PM - 3:06PM [D39.00003: Design of a Six Degree of Freedom Thrust Sensor for a Hybrid Rocket](#)  
Tripp McGehee , Doug Woten , Ann Wright

[Preview Abstract](#)

Monday, March 21, 2005 3:06PM - 3:18PM [D39.00004: Design of Force Sensor Leg for a Rocket Thrust Detector](#)  
Douglas Woten , Tripp McGehee , Anne Wright

[Preview Abstract](#)

Monday, March 21, 2005 3:18PM - 3:30PM [D39.00005: Large Ring Laser Gyroscopes for Geo\-physical Measurements](#)  
Julie Coats , Robert Dunn

[Preview Abstract](#)

Monday, March 21, 2005 3:30PM - 3:42PM [D39.00006: Microscale Correlation of Rainfall Characteristics with Lightning](#)  
Barret Viss , Arnold Sikkema

[Preview Abstract](#)

Monday, March 21, 2005 3:42PM - 4:18PM [D39.00007: An Analytical Overview of the Nucleus Jobsite](#)  
Invited Speaker: Kibrom Tewolde

[Preview Abstract](#)

Monday, March 21, 2005 4:18PM - 4:30PM [D39.00008: Comparison of High-Energy Hadronic Shower Profiles Measured with Scintillation and Cerenkov Light](#)  
Jafet Morales

[Preview Abstract](#)

Monday, March 21, 2005 4:30PM - 4:42PM [D39.00009: Simulations of ion transport in T-shaped RF-Paul traps](#)  
James Rabchuk , Jacob Burress

[Preview Abstract](#)

Monday, March 21, 2005 4:42PM - 4:54PM [D39.00010: Study Of Fe\(x\)Zn\(1-x\)F2 Using Ising Model and Optical Faraday Rotation](#)  
Araceli Lopez-Garibay , Yvonne Rodriguez , David P. Belanger

[Preview Abstract](#)

Monday, March 21, 2005 4:54PM - 5:06PM [D39.00011: Quantum State and Process Tomography](#)  
Matthew Krems , Daniel James

## 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

11:15 AM–11:51 AM

[P7.00001 : A Physicist as President of the University](#)

Invited Speaker: *Robert Dynes*

[Preview Abstract](#)

Wednesday, March 23,  
2005

11:51 AM–12:27 PM

[P7.00002 : Becoming a Physicist at a National Laboratory](#)

Invited Speaker: *Elaine Chandler*

[Preview Abstract](#)

Wednesday, March 23,  
2005

12:27 PM–1:03 PM

[P7.00003 : Between Industry and Academia: A Physicist's Experiences at The Aerospace Corporation](#)

Invited Speaker: *James Camparo*

[Preview Abstract](#)

Wednesday, March 23,  
2005

1:03 PM–1:39 PM

[P7.00004 : A Physicist and a Lawyer](#)

Invited Speaker: *Christopher Fuglesang*

[Preview Abstract](#)

# **APS April 2005 Meeting**

APS April 2005 Meeting

April 16-19, 2005

Tampa, FL

<http://149.28.120.22/meet/APR05/>

## **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.

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## **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.

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## **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](mailto: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,

[E6.00001: Restrictions on International Exchange: the view from the](#)

2005 3:30PM - 4:06PM	<a href="#">National Labs</a> Invited Speaker: Charles Shank
	<a href="#">Preview Abstract</a>
Saturday, April 16, 2005 4:06PM - 4:42PM	<a href="#">E6.00002: Restrictions on International Exchange: the view from universities</a> Invited Speaker: Alice Gast
	<a href="#">Preview Abstract</a>
Saturday, April 16, 2005 4:42PM - 5:18PM	<a href="#">E6.00003: Restrictions on International Exchange: the view from industry</a> Invited Speaker: Ron Webb
	<a href="#">Preview Abstract</a>

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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

Sunday, April 17, 2005 8:30AM - 9:06AM	<a href="#">H2.00001: Mentoring minorities in physics</a> Invited Speaker: Jorge Lopez
	<a href="#">Preview Abstract</a>
Sunday, April 17, 2005 9:06AM - 9:42AM	<a href="#">H2.00002: Time to Thrive, Not Just Survive: Accumulating Advantage for Women in Science</a> Invited Speaker: Debra Rolison
	<a href="#">Preview Abstract</a>
Sunday, April 17, 2005 9:42AM - 10:18AM	<a href="#">H2.00003: Alternative Careers for Physicists</a> Invited Speaker: James H. Stith
	<a href="#">Preview Abstract</a>

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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

Monday, April 18, 2005 1:30PM - 2:06PM	<a href="#">T5.00001: Careers for Physicist in Medical and Industrial Imaging</a> Invited Speaker: Snezana Bogdanovich
	<a href="#">Preview Abstract</a>
Monday, April 18, 2005 2:06PM - 2:42PM	<a href="#">T5.00002: Doing physics on the nearest planet, or the next one over</a> Invited Speaker: Philip Metzger
	<a href="#">Preview Abstract</a>
Monday, April 18, 2005 2:42PM - 3:18PM	<a href="#">T5.00003:</a> Invited Speaker: Nick Bateman



