

American Physical Society
AIP Assembly of Society Officers
March 23, 2017

International Program Development

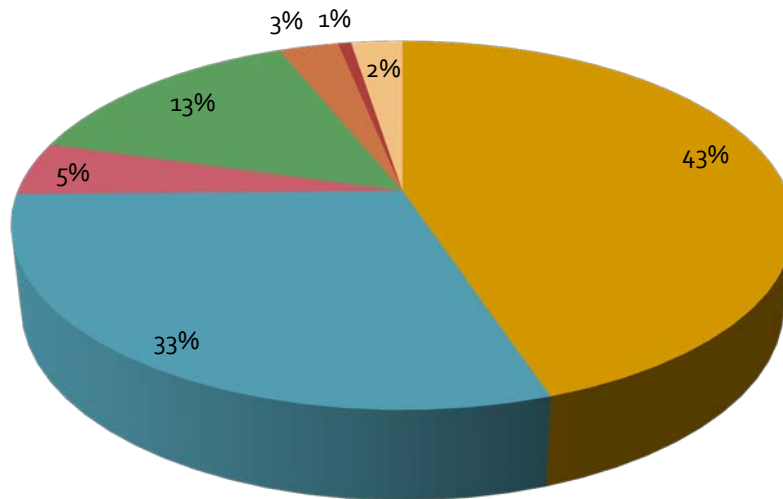
The Impact of Partnerships

Dr. Amy K. Flatten
Director of International Affairs

International Membership

APS Members Residing Outside of U.S.

Total APS Membership: 54,000+



Non-U.S. Members

- Europe
- Asia
- Middle East
- North America (Non U.S.)
- South & Central America
- Africa
- Oceania

~24 % of APS Members Live Outside of United States

APS International Activities

Some History: A Few Key Milestones

- ❑ **Over the past ~13 years:** Built a broad portfolio of ongoing, sustainable international programs, with help from partners!!
- ❑ **1999 & 2008 Surveys**
 - Non-U.S. members indicate they would welcome:
 - A more “international outlook” from APS
 - More opportunities to connect with other APS members
- ❑ **2011:** Vote to Increase International Councilors to 4 on Council
 - Highest favorable vote in history of APS (at that time)
 - Sent a clear message – APS members value international engagement
- ❑ **2012:** Expanding international engagement - key aspect of Strategic Plan!!
- ❑ **2013-2015:** Corporate Reform
- ❑ **2016-2017:** Task Force on Expanding International Engagement

Coordinating Groups

Partnerships at All Levels

- ❑ **Committee on International Scientific Affairs (CISA)**
 - Member Volunteers: International program development and advisory group
 - Recommendations to APS Governance (Board & Council)

- ❑ **Committee on International Freedom of Scientists (CIFS)**
 - Member Volunteers: Monitor human rights of scientists worldwide
 - Invitation to Physics Community -- Bring individual cases to CIFS

- ❑ **U.S. Liaison Committee (USLC) to IUPAP**
 - **IUPAP– International Union of Pure & Applied Physics (59 Member Countries)**
 - IUPAP Commissions: Representing ~ 20 physics sub-disciplines
 - APS Division Chairs: suggest U.S. candidates for IUPAP Commissions

- ❑ **All APS International Programs Involve Partnerships**
 - APS Member Volunteers
 - APS Units
 - National Physical Societies
 - International Organizations

International Programs

Partnering with APS Units

❑ **International Research Travel Award Program**

- Launched by Forum on International Physics -- Sustained by APS Unit Contributions
- Travel Awards for collaboration with developing country physicists
- All APS Divisions and some other units

❑ **Beller & Marshak Lectureships**

- “Honorific” Lectureships support travel for March/April Meeting invited speakers from outside U.S.
- **Chairs** of Divisions, Forums, Topical Groups submit nominations (CISA selects)



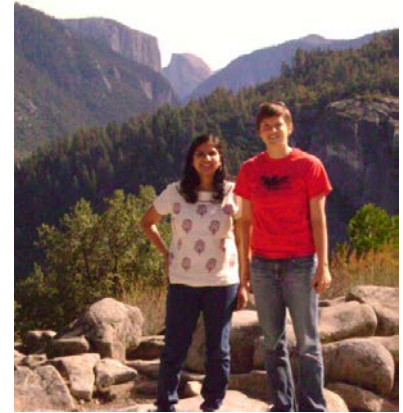
Marshak Lectureship recipient Prof. Karimat El Sayed, from Ain Shams University, Egypt

International Programs

Partnering Bilaterally with BRIC Countries

□ **Brazil & India Physics Exchange Programs**

- **Ph.D. Students & Postdocs:** Visit host for laboratory research, short course, or other
- **Professors:** Lecture series or short course in host university
- Combined programs support ~ 25 physicist exchanges/year
- **Partners:**
 - Indo-U.S. Science & Technology Forum
 - Brazilian Physical Society



Sunita Srivastava and Daniele Lieske:
Exchange between Stanford and the
Indian Institute of Technology

□ **China**

- APS Leaders Visit to China
- Annual CPS-APS Leaders Meetings
- Education Research Workshops
- 2015 U.S.-China Young Physicists Forum
- **Partners:**
 - Chinese Physical Society
 - Institute of Physics, CAS



CPS-APS Leaders at CPS Annual Meeting

International Programs

Connecting with International Partners – North America & Europe

☐ North America

- Canadian-American-Mexican Graduate Student Physics Conference (CAM2017)
- Partnership with:
 - Canadian Association of Physicists
 - Sociedad Mexicana de Fisica
- Over 100 graduate students from 3 countries & *Cuba*
- CAM2017 in Washington, D.C.
- **Abstract Submission Deadline April 28!!**
 - go.aps.org/2017cam



CAM Participants – Poster Session

☐ Europe

- Developing joint programs with European partners
 - Joint Historic Sites: In U.S. & Europe
 - 2015: Einstein House (Bern, Switzerland)
 - 2016: Institute of Advanced Study (Princeton, NJ)
 - Representation on CISA



Einstein House in Bern
First EPS-APS Joint Historic Site

International Programs

Connecting with International Partners – Middle East

☐ **SESAME - Middle East Physicists Travel Award – Partnership among Major Scientific Societies**

- American Physical Society (lead)
- German Physical Society
- UK Institute of Physics
- European Physical Society
- Italian Physical Society
- IUPAP
- American Chemical Society
- French Physical Society
- French Chemical Society



SESAME Facility

☐ **Outreach to Middle East Physics Community**

- SESAME Travel Award - **Large (& Growing!) Partnership**
 - Combined resources provide training opportunities for hundreds of Middle East scientists
 - Partners from multiple science disciplines
- MOU with the Académie des Sciences du Liban – **Small Partnership**
 - Single Professorship/Lectureship program for institutions in Lebanon
 - Strategic for expanding connections & future opportunities

APS International Activities

Partner with Individual Members – Strategic Planning

- ❑ **Task Force on Expanding International Engagement**
 - Expanding international engagement called for in APS Strategic Plan
 - Established during the 2016/2017 academic year

- ❑ **Timeline**
 - Invited members in late 2016
 - Kick-off meeting, March 2017
 - Meet in-person & video-conference over ~ 6-8 months
 - Outcomes: Report & Recommendations expected in late 2017

- ❑ **Task Force Goal:** *Identify and refine strategic objectives of expanded international engagement that will ensure the Society's long-term value to the international physics community.*

Help With Visas

Partnering with National Academies & U.S. Government

❑ **APS Visa website**

- Information for visa applicants
- Information for U.S. meeting organizers
- How to avoid delays
- Where to go for help
- www.aps.org (Under “Upcoming Meetings”)
- www.aps.org/programs/international

❑ **We'd welcome the chance to be of help!**

- Dr. Amy Flatten, Director of International Affairs; Flatten@aps.org
- Ms. Michele Irwin, International Programs Administrator; Irwin@aps.org

Extra

Extra slide(s) if asked

Task Force on Expanding International Engagement

Members

☐ **Task Force Members:** Recommended by Presidential Line, Past-Presidents, Council, Board of Directors, APS Members

- **Jonathan Bagger**, Chair
TRIUMF
- **William Colglazier**, Vice-Chair
Center for Science Diplomacy,
AAAS
- **Dirk Jan Bukman**
APS Editorial Office
- **Luisa Cifarelli**
University of Bologna
- **Carlos Henrique de Brito Cruz**
São Paulo Research Foundation
- **Laura Greene**
National High Magnetic Field
Laboratory
- **Alan Hurd**
Los Alamos National
Laboratory
- **Young-Kee Kim**
University of Chicago
- **Patricia McBride**
Fermi National Accelerator
Laboratory
- **Johanna Stachel**
University of Heidelberg
- **Eliezer Rabinovici**
Hebrew University
- **Nai-Chang Yeh**
California Institute of
Technology

Schedule

- Kick-off: Mar. 8, 2017
- Timeline: Meet in-person & video-conference over ~ 6-8 months
- Outcomes: Report & Recommendations expected in late 2017