AAPM's Endeavors to Support Advanced Training of Medical Physicists in LMICs

Yakov Pipman, DSc
Chair, International Scientific Exchange Program

Outreach and collaboration tools for the profession beyond North America.

International Educational Activities Committee (IEAC)
International Affairs Committee (IAC)

International Scientific Exchange Programs (ISEP)

- Joint program of AAPM and IOMP
- One in Imaging and one in Therapy, each year.
- 4-5 full days
- Local Director and institutional commitments
- Program matched to the local needs
- 2 Program directors: Local (1) + AAPM-ISEP (1)
- Numerous lectures by 4-5 AAPM faculty
- Some practical demonstrations and exercises
- Language accommodation when possible
- Regional - Geographic balance
ISEP: Characteristics

- Raise the status and visibility of MP
  - Clinical Institution
  - Academic
  - Regulatory
  - National Education and Health authorities
- Boost the formation or advancement of local MP organizations
- Focused discrete event
- Seed to longer term collaboration and relations

36 ISEP courses since 1992

1992 - Islamabad, Pakistan
1993 - Warsaw, Poland
1994 - Tehran, Iran
1995 - Istanbul, Turkey
1996 - Rabat, Morocco
1997 - Moscow, Russia
1998 - Cairo, Egypt
1999 - Sao Paolo, Brazil
1999 - Cluj Napoca, Romania
2000 - Bangkok, Thailand
2001 - Dhaka, Bangladesh
2002 - Riyadh, Saudi Arabia
2002 - Sao Paolo, Brazil
2003 - Cairo, Egypt
2004 - Chengdu, China
2004 - Abu Dhabi, UAE
2005 - Manila, Philippines
2006 - Yaoundé, Cameroon
2007 - Buenos Aires, Argentina
2007 - New Delhi, India
2008 - Manama, Bahrain
2008 - Beijing, China
2009 - Prague, Czech Republic
2009 - Algiers, Algeria
2009 - Kuala Lumpur, Malaysia
2009 - Ankara, Turkey
2010 - Amman, Jordan
2011 - Mumbai, India
2011 - Patras, Greece
2012 - Antalya, Turkey
2012 - Buenos Aires, Argentina
2013 - Baghdad, Iraq (Postponed)
2013 - Santiago, Chile
2013 - Bangkok, Thailand
2014 - Tallinn, Estonia
2015 - Dakar, Senegal (cancelled)
2015 - Erbil, Iraq (postponed)
2015 - Kaunas, Lithuania
2016 - Rabat, Morocco
2016 - Jakarta, Indonesia
2017 - Lima, Peru
2017 - Durban, South Africa

IAC and IEAC support: In Latin America

- ALFIM - founded at the AAPM annual meeting in Chicago, 1984
- Support of ALFIM workshops, congresses and courses
  1988 - Austin
  1994 - Rio de Janeiro
  2000 - Chicago
  2001 - Caracas
  2004 - Rio de Janeiro
  2007 - Cartagena
  2010 - Cuzco
  2013 - Costa Rica
  2016 - Argentina
- Numerous other national meetings and workshops
### International Educational Activities Committee – IEAC
### Co-sponsored Meetings, workshops and conferences

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 27 - April 7, 2017</td>
<td>ICTP School of Medical Physics for Radiation Therapy: Dosimetry and Treatment Planning for Basic and Advanced Applications</td>
<td>Trieste, Italy</td>
</tr>
<tr>
<td>June 20 - 23, 2017</td>
<td>International Conference on Advances in Radiation Oncology (ICARO)</td>
<td>Vienna, Austria</td>
</tr>
<tr>
<td>October 18 - 19, 2016</td>
<td>National Training Course on Justification and Optimization of Protection in Diagnostic X-ray Imaging and Interventional Radiology</td>
<td>Riyadh, Saudi Arabia</td>
</tr>
<tr>
<td>September 4 - 7, 2016</td>
<td>7th ALFIM Congress and the 13th Argentinean Meeting of Medical Physics</td>
<td>Cordoba, Argentina</td>
</tr>
<tr>
<td>June 7 - 11, 2016</td>
<td>Advanced Radiation Therapy 2016 Workshop</td>
<td>Hanoi, Vietnam</td>
</tr>
<tr>
<td>May 24 - 27, 2016</td>
<td>International Workshop: Updates on Clinical Radiation Oncology</td>
<td>Chennai, India</td>
</tr>
<tr>
<td>April 29 - May 3, 2016</td>
<td>ESTRO 35</td>
<td>Turin, Italy</td>
</tr>
<tr>
<td>March 16 - 21, 2016</td>
<td>14th Mexican Symposium on Medical Physics</td>
<td>Mexico City, Mexico</td>
</tr>
</tbody>
</table>

### International Educational Activities Committee – IEAC
### WG on Cooperative Agreements between the AAPM and other National and International Medical Physics Organizations - WGNIMP

- SEFM and AMPR
- Individual student and faculty visits: International Learning - A two way street
- Joint Scientific or Education Symposia
- Chair: Joanna Cygler

### International Educational Activities Committee - IEAC
### International Training and Research Coordination Subcommittee - ITRC

- Facilitate training and research opportunities for international medical physicists within AAPM institutions when requested by national or international medical physics societies.
- Chair: Joanna Cygler
Resources

International Affiliates 173
DCEA 2222

Educational Resources Available to Medical Physicists in Developing Countries

The AAPM/OMTF Library Program serves as a resource for medical physics and related communities in developing countries.

Developing Country Educational Associates (DCEA) have access to the following resources:

AAPM Virtual Library
The web-based Virtual Library contains many of the Continuing Education Courses presented at the AAPM Annual Meetings. Log into the Virtual Library and view the courses.

AAPM Summer School Proceedings
The Proceedings of the AAPM Summer Schools are available on CDs to Developing Country Educational Associates. Please order.

AAPM Task Group Reports
The reports of the many AAPM Task Groups are available to all.
Collaborations with ICTP-IAEA programs

IEAC Contact: ypipman@yahoo.com