Table 7: List of International Scientific Exchange Programs (ISEP)
Co-Sponsored by American Association of Physicists in Medicine (AAPM) and by IOMP

**Radiation Therapy Physics (ISEP-T), Diagnostic and Nuclear Medicine (ISEP-D)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Program</th>
<th>Location</th>
<th>Dates</th>
<th>Title</th>
<th>Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1992</td>
<td>1st ISEP-T</td>
<td>Islamabad, Pakistan</td>
<td>April 18-23, 1992</td>
<td>The Physics of Radiation Therapy</td>
<td>Saiyid Shah (USA), Azam Niroomand-Rad (USA) and Mohammed Zaidi (USA)</td>
</tr>
<tr>
<td>1993</td>
<td>2nd ISEP-T</td>
<td>Warsaw, Poland</td>
<td>August 26 – September 1993</td>
<td>The Physics of Radiation Therapy</td>
<td>John Pacyniak (USA) and Azam Niroomand-Rad (USA)</td>
</tr>
<tr>
<td>1994</td>
<td>3rd ISEP-T</td>
<td>Tehran, Iran</td>
<td>May 21-25, 1994</td>
<td>The Physics of Radiation Therapy</td>
<td>Azam Niroomand-Rad (USA) and Azim Arbabi (Iran)</td>
</tr>
<tr>
<td>1995</td>
<td>4th ISEP-T</td>
<td>Istanbul, Turkey</td>
<td>September 11-15, 1995</td>
<td>The Physics of Radiation Therapy</td>
<td>Saiyid Shah (USA), Azam Niroomand-Rad (USA) and S. Kuter (Turkey)</td>
</tr>
<tr>
<td>1996</td>
<td>5th ISEP-T</td>
<td>Rabat, Morocco</td>
<td>September 30 – October 4, 1996</td>
<td>The Physics of Radiation Therapy</td>
<td>Azam Niroomand-Rad (USA) and Bouchaib Rabbani (USA)</td>
</tr>
<tr>
<td>1997</td>
<td>6th ISEP-T</td>
<td>Moscow, Russia</td>
<td>June 16 – 20, 1997</td>
<td>The Physics of Radiation Therapy</td>
<td>Azam Niroomand-Rad (USA), Ronya Likhovetskay (USA), Raner Tatiana (Russia) and Valeriy Kostylev (Russia)</td>
</tr>
<tr>
<td>1998</td>
<td>7th ISEP-T</td>
<td>Cairo, Egypt</td>
<td>May 10-14, 1998</td>
<td>The Physics of Radiation Therapy</td>
<td>Azam Niroomand-Rad (USA), Madjid Aissi (USA), Nader Sherbiny (Egypt), Zeinab et Taher (Egypt), Kazim Abd Wl Halim (Egypt), and Ahmed Shafei (Egypt)</td>
</tr>
<tr>
<td>1999</td>
<td>8th ISEP-T</td>
<td>Sao Paulo, Brazil</td>
<td>June 2-5, 1999</td>
<td>The Physics of Radiation Therapy – Review and Update</td>
<td>Doracy Fontenla (USA)</td>
</tr>
<tr>
<td>1999</td>
<td>9th ISEP-T</td>
<td>Cluj Napoca, Romania</td>
<td>June 10-14, 1999</td>
<td>The Physics of Radiation Therapy</td>
<td>Rodica Alecu (USA), Azam Niroomand-Rad (USA), and Stefan Both (Romania)</td>
</tr>
<tr>
<td>2000</td>
<td>10th ISEP-T</td>
<td>Bangkok, Thailand</td>
<td>May 29 - June 2, 2000</td>
<td>The Physics of Radiation Therapy – Review and Update</td>
<td>Azam Niroomand-Rad (USA), Ishmael Parsai (USA), and Anchalia Krisanaachinda (Thailand)</td>
</tr>
</tbody>
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</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>11th ISEP-T</td>
<td>Dhaka, Bangladesh</td>
<td>January 29 – February 2, 2001</td>
<td>Radiation Therapy Physics</td>
<td>Azam Niroomand-Rad (USA), Saiful Huq (USA), Gias-uddin Ahmad (Bangladesh)</td>
</tr>
<tr>
<td>2002</td>
<td>12th ISEP-T</td>
<td>Riyadh, Kingdom of Saudi Arabia</td>
<td>March 9 -13, 2002</td>
<td>Recent Advances in Radiation Therapy</td>
<td>Azam Niroomand-Rad (USA) and Mathew Al-Ghazi (USA), and A. Al-Bateri (Saudi Arabia)</td>
</tr>
<tr>
<td>2002</td>
<td>1st ISEP-D</td>
<td>Sao Paulo, Brazil</td>
<td>November 13-17, 2002</td>
<td>Diagnostic and Nuclear Medicine Physics</td>
<td>Doracy Fontenla (USA) and Adel Mustafa (USA)</td>
</tr>
<tr>
<td>2003</td>
<td>2nd ISEP-D</td>
<td>Cairo, Egypt</td>
<td>February 23-17, 2003</td>
<td>Diagnostic and Nuclear Medicine Physics</td>
<td>Adel Mustafa (USA) and Ahmed Reda Al-Shafei (Egypt)</td>
</tr>
<tr>
<td>2004</td>
<td>13th ISEP-T</td>
<td>Chengdu, China</td>
<td>August 23 – 27, 2004</td>
<td>Advances in Radiation Oncology Physics</td>
<td>Raymond Wu (USA) and Azam Niroomand-Rad (USA), Yimin Hu (China)</td>
</tr>
<tr>
<td>2004</td>
<td>3rd ISEP-D</td>
<td>Abu Dhabi, United Arab Emirates</td>
<td>March 21-25, 2004</td>
<td>Advances in Diagnostic Radiology and Nuclear Medicine Physics</td>
<td>Adel Mustafa (USA), Ahmed Ankid (UAE), Aziz Aziz (UAE), and Shada Ramahi (UAE)</td>
</tr>
<tr>
<td>2005</td>
<td>14th ISEP-T</td>
<td>Manila, Philippine</td>
<td>August 1 – 5, 2005</td>
<td>Current Practices and Advances in Radiation Therapy Physics</td>
<td>Azam Niroomand-Rad (USA), Saiyid Shah (USA), and Agnette Peralta (Philippines)</td>
</tr>
<tr>
<td>2005</td>
<td>15th ISEP-T &amp; 4th ISEP-D</td>
<td>Yaounda, Cameroon</td>
<td>November 7-12, 2005</td>
<td>Current Practices in Diagnostic, Nuclear Medicine, and Radiation Therapy Physics</td>
<td>Azam Niroomand-Rad (USA), Adel Mustafa (USA), Appolinaire Ngnah (Cameroon), Joseph Gonsu (Cameroon), and Jean Yomi (Cameron)</td>
</tr>
<tr>
<td>2006</td>
<td>16th ISEP-T</td>
<td>Buenos Aires, Argentina</td>
<td>November 18-21, 2006</td>
<td>Advances in Radiation Therapy: Introduction to IMRT, Gating, On-Board Imaging, and CT-Based Brachytherapy</td>
<td>Doracy Fontenla (USA)</td>
</tr>
<tr>
<td>2006</td>
<td>5th ISEP-D</td>
<td>New Delhi, India</td>
<td>July 13 – 16, 2006</td>
<td>International Symposium on Advances in Diagnostic and Workshop on Cyclotron PET-CT</td>
<td>Mahadevappa Mahesh (USA)</td>
</tr>
</tbody>
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2007: 17th ISEP-T & 6th ISEP-D:
Manama, Bahrain, November 18-22, 2007
Title: Current Practice, Recent and Future Advances in Therapeutic and Diagnostic Physics
Directors: Mathew Al-Ghazi (USA), Azam Niroomand-Rad (USA), and Adel Mohammed (USA)

Title: Medical Imaging Physics, an ISEP Short Course
Directors: Jihong Wang, USA, Raymond Wu, USA, and Shanglian Bao, China

2008: 18th ISEP-T: Prague, Czech Republic, June 16 – 20, 2008
Title: Clinical Dosimetry and Quality Assurance for Advanced Radiation Therapy Techniques
Directors: Joanna Cygler (USA), Doracy Fontenla (USA) and Ginette Marinello (France)

2008: 8th ISEP-D: Algiers, Algeria, May 4-7, 2008
Title: International Symposium on Advances in Diagnostic Imaging Physics
Directors: Adel Mustafa, USA and Abdelhamid Mellah, Algeria

Title: Image-Based Technology in Radiation Oncology
Directors: Cheng Saw, USA, Fuad Ismail, Malaysia, and Ibrahim Wahid, Malaysia

2009: 9th ISEP-D: Ankara, Turkey, October 17-20, 2009
Title: International Workshop on Current Topics in Diagnostic Medical Physics
Directors: Mahadevappa Mahesh (USA) and Dogan Bor

2010: 20th ISEP-T & & 10th ISEP-D:
Amman, Jordan, October 7-10, 2010
Title: Conference on Topics in Therapeutic and Diagnostic Medical Physics
Directors: Adel Mustafa, USA, and Shada Ramahi, Jordan

Title: Workshop on Physics of Advanced Radiotherapy
Directors: Jatinder Palta, USA, Surendra P. Rao, USA and D.D. Deshpande, India

2011: 11th ISEP-D: Patras, Greece, June 17-20, 2011
Title: AAPM ISEP Diagnostic Workshop
Directors: Mahadevappa Mahesh, USA, George C. Kagadis, Greece, and George C. Nikiforidis, Greece

Title: Emerging Technologies in Radiation Therapy
Directors: Bulent Aydogan, USA, Ismael Ozbay, Turkey, Hatice Bilge, Turkey

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Title: Diagnostic Imaging Workshop
Directors: Mahadevappa Mahesh, USA, Roberto Isoardi, Argentina

2013: 23rd ISEP-T: Baghdad, Iraq, Oct. 27-31
Title: The Iraqi 1st Conference on Medical Physics
Directors: Moyed Miften and Muthana Al Ghazi, USA,

2013: 13th ISEP-D: Bangkok, Thailand, November 6-8
Title: ISEP-AAPM Diagnostic Imaging Workshop
Directors: Mahadevappa Mahesh and Cheng Saw, USA, Anchali Krisanachinda, Thailand

2014: 24th ISEP-T: Tallinn, Estonia, 16th - 20th June 2014
Title: QA and Dosimetry of Emerging Radiotherapy Techniques
Directors: Eugene Lief, USA

2014: Santiago, Chile, January 27 – 31, 2014
Title: Physics of Advanced Radiotherapy Techniques: The Role of Medical Images
Directors: Beatriz Sánchez, Paola Caprile, Doracy Fontenla

2015: Kaunas, Lithuania 18th - 22nd May 2015
Title: ISEP Training Course on Medical Physics in Quality Radiological Imaging
Directors: Dr Diana Adliene

2015: Selangor, Malaysia, 11th -14th November 2015
Title: AAPM/IOMP/ISEP Imaging Physics Workshop
Directors: Dr Yeong Chai Hong

2016: Rabat Morocco, 26th - 29th March 2016
Title: ISEP/AAPM - Diagnostic Imaging Symposium
Directors: Dr Habib Zaidi

2016: Jakarta, Indonesia, August 22nd – 25th
Title: ISEP/AAPM/IOMP Radiation Therapy Physics Course 2016
Directors: Cheng B. Saw, Lukman Hakim, Supriyanto Pawiro

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2017: Durban, South Africa, 27th - 30th September 2017
Title: ISEP/AAPM Therapy Physics Workshop
Director: Prof Habib Zaidi & Dr Graeme Lazarus

2017: Lima, Peru, 3rd - 7th October 2017
Title: AAPM/IOMP ISEP 2017 Course on Medical Physics
Directors: Dr Robert Jeraj & Dr Sandra Guzman Calcina

2018: Cairo, Egypt, 31st March - 4th April 2018
Title: ISEP/AAPM Diagnostic Imaging Workshop
Directors: Prof. Habib Zaidi & Dr Nashaat Deiab

2018: Ljubljana, Slovenia, 3th - 7th July 2018
Title: AAPM - ISEP course "Challenges in Modern Radiation Therapy Physics"
Directors: Joanna Cygler, Dave Rogers, Saiful Huq, Jan Jakob Sonke, Thomas Bortfeld, Rock Mackie, Božidar Casar, Robert Jeraj

2018: Universitas Indonesia, 3rd - 7th October 2018
Title: AAPM-ISEP-UI Diagnostic Imaging Medical Physics Workshop
Directors: Dr Supriyanto Pawiro

2019: Amman, Jordan, April 21-25, 2019,
AAPM- ISEP workshop on advances in Radiotherapy and diagnostic physics

2019: Delhi, India, December 16-19,2019
ISEP Diagnostic Imaging Physics Workshop