



IAEA

Atoms for Peace

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

National Liaison Officer

Vienna International Centre, PO Box 100, 1400 Vienna, Austria

Phone: (+43 1) 2600 • Fax: (+43 1) 26007

Email: Official.Mail@iaea.org • Internet: <http://www.iaea.org>

In reply please refer to: **C7-RER/6/033**

Dial directly to extension: (+431) 2600-26306

2016-06-27

Subject: Schedule of IAEA/AMPR Regional Training Courses in Russian language in 2016

Dear National Liaison Officer,

I am pleased to share with you the schedule of the 2016 regional training courses to be hosted by the Association of Medical Physicists in Russia (AMPR) in Moscow, Russian Federation, which will be organized under the framework of TC Project RER/6/033 – Strengthening Knowledge of Radiation Therapy Professionals (Radiation Oncologists, Medical Physicists and Radiation Therapy Technologists). The training courses and related information are outlined in the attached table. Kindly note that the organization of these courses will be subject to the successful finalization of the host government agreements.

For candidates who are selected by the IAEA, the round trip air ticket from the home country to Moscow, Russian Federation and a stipend for the duration of the training course will be provided in line with IAEA rules and procedures.

Please disseminate the information to relevant institutions in your country, and encourage submission of qualified candidates' nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for these projects, Ms Mayumi Yamamoto (IAEA Official Fax: +43-1-26007 or E-Mail: Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters.

Yours sincerely,

Martin Krause

Director

Division for Europe

Department of Technical Cooperation

Enclosure: Schedule of AMPR Regional Training Courses in 2016

**Schedule of AMPR Courses in 2016 under the Regional TC Project RER/6/033
Moscow, Russian Federation**

(All Courses in Russian Language)

Course Title: IAEA/AMPR Training Course on	Course Dates, 2016	Nomination Deadline, 2016	Course Objective /Expected Outputs	Selection Criteria
Advances in Medical Physics for Clinical Radiotherapy (3-week course)	Oct. 3 – 21	July 24	<p>The course is to provide training in radiotherapy physics to improve the quality of delivery of radiation therapy to cancer patients.</p> <p>It is expected that the participants will gain basic knowledge of dosimetry procedures as per IAEA TRS-398 code of practice and requirements of quality assurance (QA) for radiation therapy outlined in the IAEA publication "Radiation Oncology Physics: A Handbook for Teachers and Students" as well as the requirements of commissioning and quality assurance (QA) for computerized treatment planning systems (TPS) following the methodology described in the IAEA TRS-430 report.</p>	<p>The nominees should be clinical medical physicists working in radiation therapy departments who are willing to refresh their knowledge in clinical dosimetry for radiotherapy, treatment planning, equipment commissioning and related QA.</p> <p>Fluency in written and spoken Russian is required.</p> <p>This training course is not intended for radiation oncologists nor radiologists.</p>
Regional Training Course on Brachytherapy Physics (1-week course)	Oct. 24 – 28	Aug. 19	<p>The course is to provide theoretical and practical training in medical physics aspects of brachytherapy.</p> <p>It is expected that the participants will gain in-depth knowledge of dosimetry, imaging, treatment planning and delivery, and related QA procedures applicable to brachytherapy as per The Transition from 2-D Brachytherapy to 3-D High Dose Rate Brachytherapy, IAEA Human Health Reports No. 12 (IAEA, Vienna, 2015), ICRU-38 and GEC-ESTRO recommendations, as well as TG43 formalism.</p>	<p>The nominees should be clinical medical physicists working in radiation therapy departments who are willing to refresh their knowledge in brachytherapy physics.</p> <p>Fluency in written and spoken Russian is required.</p> <p>This training course is not intended for radiation oncologists nor radiologists.</p>

<p>Training Course on the Role of Imaging in Clinical Radiotherapy (1-week course)</p>	<p>Dec. 5 - 9</p>	<p>Sept. 16</p>	<p>The course is to provide theoretical and practical training in medical physics aspects of imaging and patient specific QA in treatment planning and verification, applicable to 3-D conformal radiation therapy, intensity modulated radiation therapy (IMRT) and image guided radiotherapy (IGRT).</p> <p>It is expected that the participants will gain in-depth knowledge of imaging and dosimetry used for treatment planning and verification of dose delivery, including equipment and methodology, and related QA procedures. The course will use the IAEA material published in Radiation Oncology Physics: a Handbook for Teachers and Students (IAEA 2005), the IAEA Human Health Report 8: Development of Procedures for In Vivo Dosimetry in Radiotherapy; the IAEA Human Health Series 19: Quality Assurance Programme for Computed Tomography: Diagnostic and Therapy Applications, as well as ICRU 50 and ICRU 83 reports.</p>	<p>The nominees should be clinical medical physicists working in radiation therapy departments who are willing to refresh their knowledge in imaging for radiotherapy.</p> <p>Fluency in written and spoken Russian is required.</p> <p>This training course is not intended for radiation oncologists nor radiologists.</p>
<p>Training Course on Transition from 3D Conformal Radiation Therapy to Intensity Modulated Radiation Therapy (1-week course)</p>	<p>Dec. 12 - 16</p>	<p>Sept. 23</p>	<p>The course is to provide theoretical and practical training in medical physics aspects of transitioning from 3D conformal radiation therapy to intensity modulated radiation therapy (IMRT).</p> <p>It is expected that the participants will gain in-depth knowledge of dosimetry, imaging, treatment planning and delivery, and related QA procedures applicable to intensity modulated radiation therapy as per the IAEA TECDOC-1588: Transition from 2-D Radiotherapy to 3-D Conformal and Intensity Modulated Radiotherapy, (IAEA, Vienna, 2008).</p>	<p>The nominees should be clinical medical physicists working in radiation therapy departments who are willing to refresh their knowledge in medical physics aspects of transitioning from 3D conformal radiation therapy to IMRT.</p> <p>Fluency in written and spoken Russian is required.</p> <p>This training course is not intended for radiation oncologists nor radiologists.</p>

** All courses will be conducted in Russian Language, and fluency in written and spoken Russian language is required.*