

Training In Radiation Protection And The Safe Use Of Radiation Sources Safety Reports Series

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Training In Radiation Protection And

The IAEA has launched a new online training platform, the Radiation Safety Navigator, to help radiation safety professionals better communicate to the general public about radiation risks, safety and ...

Now Available: New IAEA Online Platform to Enhance Clarity of Communication on Radiation Safety and Protection

In the UK, the Ionising Radiation (Protection of Patients Undergoing Medical Examination or Treatment) Regulations, known colloquially as the POPUMET Regulations, requires medical personnel to have ...

Radiation Protection of Patients

Bongani Ndlovu, Chronicle Reporter THE Radiation Protection Authority of Zimbabwe (RPAZ) yesterday joined the rest of the world in celebrating World Patient Safety Day under the theme: "Safe Maternal ...

RPAZ celebrating World Patient Safety Day

The fourth power unit of the Kalinin nuclear power plant (NPP), located near the town of Udomlya in the Tver region, has been shut down due to the triggering of automation, Rosenergo-atom concern ...

One of power units stopped at the Kalinin nuclear power plant

One can often come across judgments that a flight to Mars is dangerous or impossible due to cosmic radiation. This even became a topic for jokes, but quite authoritative people, from astronauts to ...

Radiation in flight to Mars

In the light of recent goings-on, you would be thinking that people these days are zooming off to space at the drop of a hat.

EXPLAINED: As Space Footfall Increases, Here's A Look At What Time Up There Can Do To Your Body

Belarus is primarily interested in the continuation of the International Atomic Energy Agency's technical aid projects for the sake of enhancing the potential of the Belarusian nuclear power plant's ...

New Belarus-IAEA cooperation program in development

A human journey to Mars, at first glance, offers an inexhaustible amount of complexities. To bring a mission to the Red Planet from fiction to fact, NASA's Human Research Program has organized hazards ...

5 Hazards Astronauts Face in Human Spaceflight

Radiation Protection Textile Market Size By Regional(Europe, North America, South America, Asia Pacific, Middle East And Africa), Industry Growth Opportunity, Price Trends, Competitive Shares, Market ...

Europe Radiation Protection Textile Industry Overview, Demand, Size, Growth & Forecast 2028- Worldwide Analysis

Radiation exposure from medical imaging Breast ... factors that could be addressed in workplace health promotion and protection efforts. b Binge drinkers are defined as men having 5 or more ...

Cancer Prevention and Worksite Health Promotion: Time to Join Forces

Just before Thanksgiving, the Pilgrim Nuclear Power Plant in Plymouth is expected to reach a historic milestone. All the radioactive fuel that generated electricity—and controversy—for nearly half a ...

Pilgrim Nuclear Power Plant Gears Up To Move Its Radioactive Waste

As the decommissioning of Pilgrim proceeds, concern over the long-term safety of the highly radioactive waste remains.

Pilgrim's Progress: The Pace Of Decommissioning Plymouth's Nuclear Plant Picks Up

Slovenské Elektrárne has strengthened operational safety at unit 3 of Slovakia's Mochovce nuclear power plant ahead of commercial operation, an expert team from the International Atomic Energy Agency ...

IAEA sees improved operational safety at Mochovce 3

Researchers from The Royal Marsden NHS Foundation Trust and The Institute of Cancer Research found that the usual amount of radiation to treat prostate cancer – delivered in small doses over ...

Prostate cancer sufferers could be cured in less than TWO WEEKS thanks to new high-speed radiotherapy

Thirty participants took part (Radiographers: n=18, Physicists: n=9 and Clinicians: n=3), and the consensus among the group was to move toward a radiographer-led process with training preferably ...

Elekta Unity MR-Linac featured in 72 abstracts at European radiation oncology congress

Agricultural and construction workers (ACWs) may be at increased risk for skin cancer because of high levels of ultraviolet radiation exposure ... data to assess sun-protection behaviors among ...

Skin Cancer Prevention Behaviors Among Agricultural and Construction Workers in the United States, 2015

radiation, chemical and biological protection, geodetic survey, navigational, maintenance, medical and special logistics support both at training grounds and at sea SEVASTOPOL, September 1.

Over 1,000 troops hold integrated logistic support drills in Crimea

The conference comprised three sections, where scientists presented their scientific developments in terms of educational technologies of training specialists in protection from emergencies ...

Belarus hosts online conference to discuss protection of population from emergencies

THE Radiation Protection Authority of Zimbabwe (RPAZ) is today joining the world in celebrating the World Patient Safety Day under the theme “Safe Maternal and new-born care”. RPAZ has embraced the ...

This report provides assistance in how to organize adequate and appropriate training for personnel working with ionizing radiation. It is primarily intended to be used by trainers and training providers, and covers among other topics the various methods of training provision and gives advice on the development and organizational aspects associated with the management of training activities. It complies with the requirements laid down in Safety Series No. 115, the International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources (1996) and supersedes Technical Reports Series No. 280, Training Courses on Radiation Protection (1988).

"Radiation Safety Procedures and Training for the Radiation Safety Officer" is designed to provide radiation safety officers and users/operators of devices using radiation with the tools needed to operate a safe program, construct training materials and courses, AND to comply with regulatory requirements. It is centered primarily around radioactive materials license requirements, but much of the material can be applied to non-healing arts x-ray, accelerator, and laser operations and registrations. All of the information consists of either original text created by the author or compilations of regulatory information/requirements and of common knowledge scientific information found in standard tables and references. A minimal amount of radiation principles are offered to provide the reader/user with enough information to proceed through the material and operate a safe radiation program.

Radiation protection is a major challenge in the industrial applications of ionising radiation, both nuclear and non-nuclear, as well as in other areas such as the medical and research domains. The overall objective of this textbook is to participate to the development of European high-quality scheme and good practices for education and training in radiation protection (RP), coming from the new Council Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation. These ERPTS (European Radiation Protection Training Scheme) reflects the needs of the Radiation Protection Expert (RPE) and the Radiation Protection Officer (RPO), specifically with respect to the Directive 2013/59/Euratom in all sectors where ionising radiation are applied. To reflect the RPE training scheme, six chapters have been developed in this textbook: • Radioactivity and nuclear physics • Interaction of ionising radiation with matter • Dosimetry • Biological effects of ionising radiation • Detection and measurement of ionising radiation • Uses of sources of ionising radiation The result is a homogeneous textbook, dealing with the ERPTS learning outcomes suggested by ENETRAPII project (European Network on Education and Training in RAdiological Protection II) from the 7th Framework Programme. A cyberbook is also part of the whole training material to develop the concept of “learning more” (<http://www.rpe-training.eu>). The production of this first module “basics” training material, in the combined form of a textbook plus a cyberbook as learning tools, will contribute to facilitate mutual recognition and enhanced mobility of these professionals across the European Union.

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CRC Handbook of Management of Radiation Protection Programs, 2nd Edition, is unique in that it offers practical guidance for managing various aspects of radiation protection programs ranging from the daily operation of a health physics office to the preparation of radiation experts for court appearances as professional witnesses. The book also covers such topics as organization and management of nonionizing radiation safety programs (with special emphasis on laser safety programs) and management of radioactive waste, personnel monitoring programs, radiation accident victims, internal exposure, relative radiotoxicity and radiation therapy patients. Other chapters discuss handling radiation accidents and education and training requirements for radiation protection. Legal aspects covered in the book include the history of radiation court cases, legal implications of record keeping, and preparation for court appearances. CRC Handbook of Management of Radiation Protection Programs, 2nd Edition will be a valuable reference resource for medical and health physicists, industrial hygienists, physicians, nuclear engineers, radiation protection regulators, radiation emergency management agents, radiation safety committees, and managers of facilities using ionizing and nonionizing radiation sources.

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