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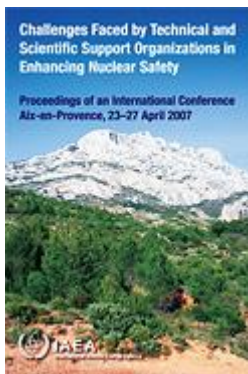
Utilization Related Design Features of Research Reactors: A Compendium

Technical Reports Series No. 455

For more than 50 years research reactors have played an important role in the development of nuclear science and technology. They have made significant contributions to a large number of disciplines, as well as to the educational and research programmes of about 70 countries worldwide. There are substantial utilization issues being faced by the research reactor community, including the selection, design and operation of various types of devices in research reactors. This publication has been prepared by the IAEA to facilitate the exchange of ideas, concepts and experience. It presents descriptions of design and utilization features of facilities and associated devices that are implemented in different research reactors worldwide, covering selected fields of application.

STI/DOC/010/455, 606 pp.; 264 figures; 2007, ISBN 92-0-112206-3, English.

http://www-pub.iaea.org/MTCD/publications/PDF/TRS455_web.pdf



Challenges Faced by Technical and Scientific Support Organizations in Enhancing Nuclear Safety Proceedings of an International Conference held in Aix-en-Provence, 23-27 April 2007

Proceedings Series

Technical and scientific support organizations (TSOs) are playing an increasingly important role in supporting national regulatory bodies and the nuclear industry by providing the technical and scientific expertise necessary to make optimum safety decisions. The aim of this conference was to address the challenges TSOs face in providing this support. The objective was also to provide the opportunity for TSOs from different countries and other organizations and experts to discuss and develop a common understanding of the opportunities, responsibilities and needs of TSOs; to explore appropriate approaches to addressing current and expected challenges in nuclear and radiation safety; and to discuss the roles, functions and value of TSOs. These proceedings include a summary, the opening speeches, the invited papers, and the conclusions and summary of the conference by the President. The accompanying CD-ROM contains the unedited contributed papers and the presentations that were submitted with some of the invited papers.

http://www-pub.iaea.org/MTCD/publications/PDF/Pub1301_web.pdf



Addressing Verification Challenges Proceedings of an International Safeguards Symposium held in Vienna, 16-20 October 2006

Proceedings Series

IAEA safeguards symposia are important forums for interaction between the IAEA Secretariat and Member States concerning safeguards and verification issues. The symposium, held at IAEA Headquarters from 16 to 20 October 2006, addressed the challenges to the IAEA safeguards system that have emerged, or intensified, since the previous symposium in 2001. Reflecting developments since then, the symposium covered five topics: current challenges to the safeguards system, further strengthening of safeguards practices and approaches, improving the collection and analysis of safeguards information, advances in safeguards techniques and technology, and future challenges. These proceedings contain the addresses given at the opening session, the technical plenary session and the closing session. The summary provides an overview of the oral presentations at the 21 sessions of the symposium. The invited papers presented during the various topical sessions, as well as papers exhibited at the poster sessions, are available on the enclosed CD-ROM.

http://www-pub.iaea.org/MTCD/publications/PDF/P1298_webstart.pdf

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