

**International Conference on Occupational Radiation Protection:
Strengthening Radiation Protection of Workers –Twenty Years of Progress
and the Way Forward**

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OPTIMIZATION OF RADIATION PROTECTION FOR THE CONTROL OF OCCPATIONAL EXPOSURES

The main emphasis in radiation protection is the “optimization of protection”.

The methods for reducing doses covered a broad spectrum, which ranges from simple organizational adjustments to a modification of the design of the facility concerned. This presentation adopts the ALARA techniques means of avoiding exposure to radiation using the three basic protective measures in radiation safety as; time, distance and shielding. Effective work management is necessary for the optimization and reduction of exposures; such as work planning and scheduling; general workers education; awareness; involvement of workers; communication; facility and equipment design; reducing the number of works necessary; reducing dose rates and specialized training.

Other component of the presentation is a general review of the means that are available in most workplaces to reduce exposure. These global means is the application of effective and efficient procedures for the management of work and provision for the education and training of workers.

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