

SOFIANE BENMOKHTAR

PERSONAL INFORMATION

- Marital status: Married
- Nationality: British
- Age: 44

SUMMARY OF QUALIFICATIONS

- Certified Radiation Protection Adviser (RPA);
- Experience in developing radiation protection programmes;
- Excellent knowledge of UK and International Regulations pertinent to radiological protection and protection of the environment;
- Author and verifier of Consequences Assessments supporting Safety Cases;
- Computer literate: Monte Carlo Simulation with MCNP and MicroShield modelling, Visual Basic Programming, Databases (Access, MySQL).

EDUCATION

01/95 - 11/96

“Diplôme de Post-Graduation Spécialisée” equivalent to MSc in Nuclear Engineering from the *Centre for Radiation Protection and Safety*, the *Atomic Energy Commission of Algeria* (Algiers, Algeria).

10/90 - 07/94

“Diplôme d’Etudes Supérieures” equivalent to BSc in physics from the *University of Sciences and Technology of Bab Ezzouar* (Algiers, Algeria).

09/87 - 07/90

Baccalaureate in Mathematics with honours (Annaba, Algeria).

LANGUAGES

English, French and Arabic

PROFESSIONAL EXPERIENCE

12/15 – Now Horizon Nuclear Power
Radiation Protection Adviser (RPA).

Main duties: Appointed as Company RPA supporting Hitachi-GE through the UK regulatory licencing and permissioning process of Generic Design Assessment (GDA) for their ABWR design. I have also the responsibility of developing a radiation protection programme for the future nuclear power plant.

04/14 – 12/15 Low Level Waste Repository (LLWR) Ltd
Site Radiation Protection Adviser.

Main duties: Appointed LLWR Site RPA, overseeing the radiation protection programme of the site and supporting a major decommissioning project (PCM).

09/11 – 04/14 Magnox Ltd – Berkeley Decommissioning Site
Accredited Health Physicist and RPA.

Main duties: Lead Health Physicist and RPA for Berkeley site’s ILW programme: Retrieval, conditioning and packaging of solid and wet ILW; design, construction and commissioning of the Interim Storage Facility. Contribute to an excellent health physics service and support to site operations.

09/06 – 09/11 Magnox Ltd – Dungeness ‘A’ Power Station
Accredited Health Physicist within the EHSS&Q Department.

Main duties: Provide health physics service and support to site operations. Also, Lead Health Physicist for the Sludge retrieval, encapsulation and disposal project.

11/03 – 09/06 Sheffield Teaching Hospitals

Medical Physicist in the medical physics department, based at Weston Park Hospital.

Member of a team providing QA assessments of medical x-ray equipment, and advising customers on radiation protection issues as required by National Regulations.

Area of expertise: Critical inspection and commissioning of medical x-ray equipment (conventional, interventional, mammography, dental...), patient dose optimisation, and room shielding calculations.

09/02 – 11/03 National Physical Laboratory, Teddington (UK)

Research scientist in the Dosimetry Group.

Contribute to the absorbed dose measurements during the photon and electron therapy-level calibration periods. Responsible for the maintenance the primary references used in the High Dose Electron Beam service.

09/00 – 11/00 National Physical Laboratory, Teddington (UK)

Research fellow, from the IAEA (Vienna), to the Centre for Ionising Radiation Metrology.

Research topic: Investigating the methods and techniques of characterising a neutron beam and calibrating radiation protection instruments.

12/96 – 09/00 Atomic Energy Commission of Algeria, Algiers, Algeria

Research scientist responsible for the calibration of radiation protection instruments used in photon beams, the determination of clinical beam output and the calibration of instruments used in radiotherapy.

Inspector of radiological installations (industrial and medical) within the framework of the system of authorisation.

Participate in radiological intervention operations and the national inventory of fissile materials.

Radiation Protection adviser for the safe use, transport and storage of sealed and unsealed radioactive sources, in compliance with the national regulations (Algeria).

In charge of setting up a neutron irradiation facility at the Algerian Secondary Standard Dosimetry Laboratory, developing the characterisation methods of neutron beams and the calibration techniques of radiation protection instruments.

MEMBERSHIPS

Registered Chartered Radiation Protection Professional (CRadP)

Full Member of the Society for Radiological Protection (SRP)

REFERENCES

References provided on request.