

JOB DESCRIPTION

Title: Physicist – HP Products, Contamination Monitors

Reports To: **Engineering Manager**

Department: **R&D**

Summary:

The position within the Concord R&D Team that plays active role in all stages of the product development, implementation in production and product application in the field. The product range includes radiation detectors and radiation monitoring equipment. The position reports to the Engineering Manager.

Range of Responsibilities:

- Participation in product development process:
 - Product design, development and prototyping
 - Testing, verification and validation of the designs
 - Technical analysis of competitive products
 - Definition of the product specifications (hardware, software)
 - Standard (ISO, IEC, ANSI etc.) requirements and compliance analysis
 - Agency compliance requirements analysis
- Participation in preparation of technical documentation and papers:
 - Factory Acceptance Test Procedures
 - Test Plans and Procedures
 - Product Manuals
 - Application Notes
 - Sales Information Notes
 - Publications
 - Presentations
 - Patents
- Engineering Project Management
- Support of implementation of new designs in production
- Training courses on CANBERRA products for Sales, Service and customers:
 - Contents definition and preparation
 - Lecturing
- Technical support for Sales, Service and customers
- ERP system support in terms of product configuration (options, custom versions, BOMs etc.)
- Other tasks as per specific assignments

Knowledge/skills required:

- Radiation detection techniques and instrumentation:
 - Radiation detectors (in particular gas detectors and scintillation detectors)
 - Data processing and analysis
 - Signal processing
 - Data acquisition

- Statistical analysis of experimental data
- Excellent computer skills (MS Windows environment, MS Office Apps.)
- Radiation protection regulatory requirements
- Computer systems and basic programming
- Fluent in English, excellent writing skills
- Excellent communication skills
- Ability to work in a team
- Problem solving and troubleshooting techniques
- Flexible and creative thinking

Additional desirable knowledge/skills:

- CAD tools (AutoCAD, Inventor)
- Familiarity with ISO 9000/14000 requirements and environment
- Experience with the agency compliance requirements (UL, CSA, CE)
- Knowledge of French

Education/background:

Candidate should have at least a bachelor degree in physics, or physical science field, preferably with a 2+ years of professional experience.

Work environment/conditions:

Most of the work is performed in the office environment. Occasional activity on the production floor or in the field (customer site) may be required. Position offers flexible hours (most of the time) and the work week of 40 hours; ability to meet deadlines is critical; work activity is reported on a weekly time sheets. Approved overtime is compensated. Ability to travel worldwide is required (usually no more than 10-20% of time).