

Visuray is searching for a Senior Experimental Physicist to work on revolutionary X-ray technology for the oil and gas industry. Visuray is a small, multi-national oil-services company that develops novel radiological diagnostic techniques, and then designs, manufactures and operates tools to utilize these techniques inside oil and gas wells. We offer a fast-paced and exciting work environment where each employee has the opportunity to have a significant impact on the company and on the entire industry through our innovative products.

The Senior Experimental Physicist will design, execute, and analyze the results of experiments investigating new techniques and tools for using X-ray radiation to diagnose issues in oil wells. In conjunction with project management and the team lead, the Senior Physicist will set the direction for the experiments to be performed and identify key engineering and operational issues that must be addressed in the laboratory. The Senior Physicist will take the lead in designing and assembling the experimental apparatus, which includes high voltage generators, X-ray tubes, radiation detectors, heavy formation blocks and casing sections, and various anticipated fluids, so he or she must have expert-level knowledge of a variety of laboratory equipment and techniques. The Senior Physicist will also conduct experiments and analyze the results independently, so he or she must also have expert-level knowledge of data processing software and techniques. He or she must also be comfortable with the physics of radiation transport in order to critically assess results and draw conclusions that further our understanding of the tool behavior and technique. Finally, the Senior Physicist must be able to clearly communicate results, conclusions, and recommendations both to other physicists and to project management.

The successful candidate will interact daily with a dynamic team of Physicists, Mathematicians and Engineers to drive innovation and achieve ambitious goals. He or she will be a key driver of innovation and a technical leader in a cross-functional team. Desired skills and qualifications include:

- PhD or equivalent level of experience in radiation or nuclear physics required, experience in X-ray or gamma ray domain highly desirable;
- Extensive laboratory experience required (10+ years preferred), experience with high voltage generators, X-ray tubes, radiation detectors highly desirable;
- Knowledge of radiation-based well-logging tools and techniques highly desirable;
- Must be able to think critically, analyze results, and make inferences;
- Must be able to set achievable goals and prioritize among many urgent issues;
- Must be able to work with a significant amount of independence, while championing collaboration within and among teams.

Please apply through our [LinkedIn](#) page. You can also send CV and cover letter to job@visuray.com