

## **Radiation Effects Design and Modeling Engineer**

### **Responsibilities**

This position will be located in Draper Odon, IN office. The engineer will lead the design, modeling, and test of complex multi-physics devices and systems. A key focus will be on radiation effects in semi-conductor electronics. The candidate should be able to lead multi-disciplinary engineering teams that develop and verify the performance of such systems with a broad understanding of the relevant physics. In addition, the candidate should have an interest in a wide variety of other areas such as electro-optics, RF, and MEMS components and systems.

### **Qualifications**

The ideal candidate will have a MS or PhD degree in nuclear engineering, electrical engineering, physics, materials science, or related field with a minimum of 7 years of experience. Desired skills include:

- Experience with developing and testing complex microelectronic devices
- Radiation testing and hardening experience is highly desired but not required
- Ability to model multi-physics devices and systems using TCAD, SPICE, Comsol or similar tools
- Experience or desire to lead R&D teams
- Strong written and oral communication skills with proposal writing experience a plus
- Interest in developing a broad array of novel multi-physics devices and systems

Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information.