Senior Hardware-in-the-loop Modeling and Simulation Engineer

Responsibilities
This position will be located in Draper Odon, IN office. System Simulation Engineer will work independently and lead others in modeling and simulation of first-of-a-kind dynamic systems. Systems supported include spacecraft, aircraft, and underwater vehicles, both supervised and autonomous. Hands-on experience developing simulations for system conceptualization, real-time hardware-in-the-loop simulations, C/C++ software development in a Linux environment, and MATLAB/Simulink is required. Experience leading teams in designing and implementing simulation-based system integration and test is required. An excellent working knowledge of simulation, dynamics, and control systems is necessary. Experience in distributed simulation, the Mathwork's xPC Target, and seeker/sensor-in-the-loop simulation (vision sensor, IR, etc) is preferred. A working knowledge of 3D graphics is desirable.

The individual should be a highly motivated, self-starter with willingness to learn and participate in an exciting team environment. Demonstrated ability to lead cross-functional engineering teams is required. Excellent written and oral communication skills at a technical level are required. The ability to understand and address customer needs in an efficient and timely manner is essential.

Qualifications
Minimum MS in relevant engineering discipline with 10+ years professional experience. Ph.D. preferred in Aero/Astro, Electrical, or Mechanical Engineering plus 7+ years professional experience. 2+ years leading teams in designing and implementing simulation-based system integration and test is required.

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