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Job Title	**Internship in Robotics, Intelligent Automation**
Duration	2019, 3+ months
International Applications	Yes, for 6+ months
Location	Schlumberger-Doll Research, Cambridge, MA, US

Job Description and Responsibilities

At Schlumberger-Doll Research (SDR) located in Cambridge, MA, the robotics department is conducting applied research and evaluating cutting-edge enabling robotics' technology. Our mission is to enable robots for automation in unstructured environments such that we deliver disruptive differentiation to Schlumberger and its customers in functions spanning manufacturing, maintenance and field operations in the oil and gas industry.

We are looking for motivated PhD or Master's level roboticists with strong software skills to join a talented multidisciplinary team working on solving stimulating problems. Under the supervision of an experienced research scientist, the intern will be expected to define, execute and interpret the results of lab experiments and/or perform numerical simulations. The student will participate in multi-disciplinary team meetings and will have opportunities to interact with academic collaborators in top Boston universities, internal engineering and operation units.

Qualifications

- Enrolled in a master's or doctoral program with major in Robotics, Artificial Intelligence, Computer Science, or related discipline.
- Working knowledge of relevant software, such as Robot Operating System (ROS), MATLAB, Simulink, robot simulation software Gazebo
- Working knowledge of relevant hardware, such as robot arm manipulators or aerial drones, camera/thermal/Lidar sensing technology
- Working knowledge of relevant programming languages, such as Python and C++
- Experience with computer vision, haptic interfaces and/or point-cloud processing is highly desirable
- Excellent academic record with coursework emphasis on mechatronics, control, machine learning, sensing and/or autonomous navigation
- Balanced combination of analytical and hands-on skills
- Excellent problem-solving, organizational and communication skills

Benefits

- Competitive Salary
- Lease allowance

About Schlumberger Company

Candidates can apply through email by submitting an application (include resume, coursework transcripts, ppt/pdf robotic experience presentation not exceeding 20 pages) to the Intelligent Automation program manager, Chris Bogath (bogathc1@slb.com)

Schlumberger-Doll Research (SDR) is the prime corporate research center for Schlumberger, the world's leading supplier of technology, integrated project management and information solutions to customers working in the oil and gas industry worldwide. SDR hosts more than 130 scientists working in various fields including robotics, advanced materials, geosciences and computational sciences. SDR is located within the MIT campus. Several dozen interns are hosted each summer at SDR. Previous interns have highlighted the working environment, camaraderie, diversity in expertise and domains of

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interest, learning about new technical challenges, SDR facilities, and Cambridge numerous attractions, as prime elements they enjoyed during their stay at SDR.

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