

Internship Announcement

Title	Structural FEA Intern
Category	Internship in Industry
Employer	Schlumberger Technology Corporation
Location	United States, Texas, Sugar Land
Opening Date	07/01/2009

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We are looking for extremely high-energy, self-motivated Ph.D. candidates with exceptional problem-solving, communication, leadership and interpersonal skills who are seeking challenges to solve real technical problems. If you have any of the academic qualifications listed below, submit an application to join our team of international experts in the Simulation & Modeling Group located in Sugar Land, TX. Please send your cover letter and resume via email to KL2@slb.com

Job Description

The objective of this 8-month internship is to investigate and analyze fatigue, shock and vibration related problems in downhole tools. Specifically, the selected candidate will be working on dynamic analysis of nonlinear systems, elastomeric simulations, and fatigue analysis of structures subjected to stochastic loads.

Requirements

1. Ph.D. candidacy in Mechanical Engineering, Aerospace Engineering, Civil Engineering, or Engineering Mechanics
2. In-depth understanding of continuum mechanics, elasticity, viscoelasticity, plasticity, finite element methods, fatigue of metals, shock and vibration, probabilistic and statistical methods, and materials engineering.
3. Experience in modeling and simulation of assemblies subjected to dynamic loads.
4. Solid knowledge of ABAQUS is essential. Experience in developing user subroutines and Python scripts for ABAQUS is a plus.
5. Experience in Ansys Classic/Workbench is a bonus.
6. Excellent team spirit and communication skills