

Schlumberger

Research, Engineering, Manufacturing, Sustaining (REMS)

Schlumberger (NYSE:SLB) is the world's leading oilfield services provider, trusted to deliver superior results and improved E&P performance for oil and gas companies around the world. Through our well site operations and in our research and engineering facilities, we are working to develop products, services and solutions that optimize customer performance in a safe and environmentally sound manner.

Research & Development engineers and scientists in Schlumberger engage in everything from thermodynamics to seismic modeling, from reservoir simulation to nuclear physics, from embedded software to mechanical design. Experts from almost all engineering and applied sciences disciplines are needed in order to create, design and build the most advanced technology available anywhere in the industry, worldwide.

Manufacturing, supply chain and logistics professionals and engineers are critical to our mission to build and deploy the world's most advanced oilfield equipment and technology. We emphasize Lean Six Sigma, a combination of Six Sigma and Lean Manufacturing designed to exceed industry standards.



Collectively, our **Research, Engineering, Manufacturing, and Sustaining (REMS)** group is committed to creating, designing, building and deploying the most technologically advanced oilfield equipment and solutions available anywhere in the world. Each year, we spend over 3 billion US dollars doing just that, which is more than all our major competitors combined.

We are looking for extremely high-energy, self-motivated women and men with exceptional problem-solving, communication, leadership and interpersonal skills who are seeking challenges around the globe. If you have any of the academic qualifications listed below, submit an application to join our team of international experts.

Houston Pressure and Sampling (HPS) Product Center – Full-Time Opportunity

Responsibilities: You will closely collaborate with Schlumberger design engineers in US and Europe. You will be performing FEA studies, from definition phase to results presentation to internal or external customers, in technically challenging areas such as non-linear solid mechanics, metal plasticity, viscoelastic materials, shock, vibration, heat transfer, composites, and fluid/structure interactions. You will also be involved with mechanical design, testing, instrumentation, and signal processing.

Preferred Qualifications:

1. Fresh Ph.D. graduate or postdoctoral research fellow in Mechanical Engineering with specialty in solid mechanics
2. In-depth understanding of continuum mechanics, nonlinear dynamics, the finite element method, failure analysis, engineering design concepts, and materials engineering
3. Extensive experience in constitutive modeling of metallic and non-metallic materials and simulation of large-scale structures subjected to static or dynamic loads is desired.
4. Hands-on experience in mechanical design, testing, instrumentation, and signal processing
5. Solid knowledge of ABAQUS or Ansys is essential. Experience in other FEA codes is a plus.
6. Experience in scientific coding with FORTRAN, C or C++
7. Excellent oral and written communication skills in English
8. Autonomous and creative approach towards challenging problems

To apply, please submit your resume to KLi2@slb.com