At our location in Shanghai, we are looking for you to start as soon as possible as a Simulation Engineer-Solid Mechanics (m/f/d)

Responsible for providing high-quality solid mechanics computer simulation and theory analysis results in support of the Saint-Gobain Research (Shanghai) Center.

We offer

› Varied and challenging tasks in our international team
› Very good development opportunities in a dynamic and innovative environment
› Professional support of your career through targeted personnel development
› Family-friendly working conditions

Principal Accountabilities

› Strictly follow company EHS & 5S policies and regulations. Follow R&D personnel's individual EHS responsibilities listed in 'EHS Responsibilities Management Program' (5%)
› Model Development and Set-Up (45%). Develop and apply state-of-the-art simulation methods (finite element, analytic, closed-form) to establish thermo/optical/mechanical condition of materials/products in process/application. Perform QA to ensure accuracy of analysis results. The incumbent should carry out all phases of these tasks with minimal supervision
› Interpretation and Application (30%). Take the lead to develop interpretation, summaries, and opinions of the testing and analysis results appropriate to the project end-goals. Document conclusions in technical memo format. Present and discuss analysis with customers. The incumbent should carry out these tasks with minimal supervision and with maximum interaction with appropriate customer personnel
› Project Leadership & Principal Investigator (20). Provide project management oversight
   › Develops project plans, directs and coordinates the implementation of approved plans through direct & indirect reports
   › Provides hands-on technical leadership to the projects. Evaluate progress relative to technical objectives
   › Employs strong scientific methodology in conducting projects
   › Establishes routine reporting for all activities
   › Resources projects and responds to changing priorities as required
   › Identifies potentially patentable developments & develops proprietary technologies resulting in patents

Qualifications

› Master Degree or above, majored in Solid Mechanics/mechanical engineering/applied mechanics or relevant areas
› 0-5 years of industrial experience
› Be familiar with Computer simulation software (e.g. Abaqus, Ansys, COMSOL Multiphysics, etc.)
› Experience about test experiments and theory analysis preferred
› Fluent English
› Open minded, innovative, driven, good communication skills

We look forward to getting to know you!