



GMI

GEOMECHANICS INTERNATIONAL

Finite-Element Method Specialist - Technology Development Group

GMI has an immediate opening for a Finite-Element Method Specialist in our technology development team in the Houston office.

A successful candidate will have a MSc or PhD degree in Geology, Geophysics or Petroleum Engineering and extensive experience with finite-element simulations specifically with the ABAQUS system. Good knowledge of material constitutive laws, material testing and basic skills in object-oriented programming are an advantage. Excellent written and verbal communication skills are necessities.

The primary responsibility for a successful candidate is to work with our technology development team on the development of new services and software tools based on finite-element technology. This covers a range of topics from modeling salt creep, to modeling the interaction between completion and formation as well as describing the stresses around complicated geological structures such as faults or salt domes. The candidate will also support internal and external customers in the use of these tools.

Other related activities include:

- Supporting GMI project managers and other team members on GMI's finite-element based services
- Writing technical specification documents for software developments
- Interacting with the software development group of GMI for incorporation of the finite element technology in GMI's software products
- Help with preparation and production of technical training materials

All contact will be confidential.

Please mail resume to:

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Attention: Martin Brudy

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