The Geomechanical modeling group at the Department of Geological Sciences & Engineering at Missouri S&T (http://petroleum.mst.edu/) is seeking applicants for a PhD level graduate research assistant position. The position is funded for 3 years (37.5% FTE salary plus tuition costs) and is in close collaboration with Chevron ETC. Opportunities for attending professional meetings and workshops are provided.

The successful candidate is expected to develop a series of 3D numerical models (using ABAQUS) describing single layer and multi-layer visco-elasto-plastic folding/buckling to study the occurrence and significance of second order fracturing in shale formations. The student will work in an interdisciplinary and international team of graduate students in a friendly, productive and hospital work environment.

Applicants must have a strong and broad background in structural geology. Candidates must also have earned a MSc in Geology, Geophysics or Petroleum Engineering (in this order of preference). Solid oral and written communication skills are required. For admission to Missouri S&T the general terms and conditions apply (http://futurestudents.mst.edu/admissions/application_select.html).

For further questions and to submit your complete resume please contact:

Dr. Andreas Eckert (Asst. Professor of Petroleum Engineering)
Missouri University of Science and Technology
Email: eckertan@mst.edu
Phone: 573-341-6059