

Post-Doctoral Research Associate Position

Department of Civil, Environmental, and Architectural Engineering
University of Colorado at Boulder

Duration: 2-4 years, starting Summer 2012

salary will be commensurate with qualifications and experience

The Position provides an opportunity to join the physical modeling research program of the Geotechnical Engineering and Geomechanics group, including the opportunity to interact with graduate students to develop mentoring and training skills.



Position Description:

The Geotechnical Engineering and Geomechanics group in the Department of Civil, Environmental, and Architectural Engineering at the University of Colorado, Boulder is seeking a post-doctoral research associate to help lead experimental research using the its 400 g-ton centrifuge facility. The applicant is expected to have extensive hands-on experience with physical modeling in Geotechnical or Structural Engineering applications, centrifuge testing, shaking table testing, instrumentation, electronics, and signal processing. The applicant will play a lead role in designing, assembling, and conducting centrifuge experiments at CU Boulder and will work closely with faculty and graduate students to perform research with interest and expertise in electronics and instrumentation. Through this 2- to 4-year position, the research associate will contribute to a wide range of experimental research projects underway at CU Boulder. Each of these projects involves both experimental modeling and computational simulation components, with ample opportunity for fundamental innovation and creativity.

The successful applicant will have the following:

- PhD in engineering or related field with emphasis on physical modeling or experimental testing
- Team management, organization and implementation skills
- Background and hands-on experience in data acquisition hardware and software, circuitry, instrumentation and controls, signal processing and modern measurements technologies

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