CLEMSON
GLENN DEPARTMENT OF CIVIL ENGINEERING

Postdoc position in granular mechanics and discrete element modeling

A postdoc position is available in the area of computational mechanics, in particular, granular mechanics and discrete element modeling (DEM), in support of a Department of Energy funded research project on Integrated Process Optimization for Biochemical Conversion. This is a multidisciplinary research project with collaborations between multiple academic institutions and the DOE's Idaho National Laboratory (INL). The main location of this position will be Clemson University and the postdoc will also work at INL with DOE scientists.

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Clemson University
109 Lowry Hall
Clemson, SC 29634

P 864-656-3330
F 864-656-2670

Primary Duties

- Develop DEM models to simulate and predict the flowability of biomass particle systems
- Collaborate with researchers from various disciplines to ensure successful completion of project milestones

Desired Qualifications

- Strong background and research experience in computational mechanics
- Experience in using and developing research, open-source or commercial DEM packages (examples include LIGGGHTS, PFC3D)
- Effective communication skills and ability to work in a collaborative and multidisciplinary team environment

Application Materials & Submission

- A detailed CV
- Contact information of 2 - 3 references
- Email applications to Dr. Qiushi Chen (qiushi@clemson.edu)

The initial appointment of the position is one year with an expected starting time of summer 2018. Review of application will begin immediately and will continue until the position is filled.

Contact information

Dr. Qiushi Chen
Glenn Department of Civil Engineering
Clemson University
qiushi@clemson.edu
https://cecas.clemson.edu/geomechanics/