

Graduate Student Positions in Mine Ventilation

Job Title: Graduate (Ph.D. /M.S.) Student Positions in Mine Ventilation

Department: Mining Engineering and Management

Department Website: <http://www.sdsmt.edu/Academics/Departments/Mining-Engineering-and-Management/Mining-Engineering-and-Management/>

Institution: South Dakota School of Mines and Technology

Position Start Date: September 01, 2014

Position Description:

There are three competitively funded Ph.D./M.S. research assistantships available in numerical modeling of mine ventilation. Successful applicants would have strong background and interest in mining engineering and closely related fields. They are expected to be knowledgeable or have interests on the topics including but not limited to underground mining methods (block caving), caving mechanics, computational fluid dynamics, and numerical modeling. Interest in fluid mechanics, mine ventilation and rock mechanics is essential. Working experience with the software packages such as FLAC/FLAC3D, and FLUENT/SC Tetra (CFD) is a plus. The candidates must have a degree (B.S. and/or M.S.) in mining engineering or related engineering fields (Mechanical Engineering, Geological Engineering). Depending on the students' background and interests, he/she will be requested to apply to the Mining, Mechanical, or Geological Engineering program, which will serve as his/her home department. The students are expected to publish in peer-reviewed journals. To apply, please e-mail your CV, unofficial transcripts including GRE scores, letter of interest, and names and contact information of three references directly to Dr. Purushotham Tukkaraja, Assistant Professor of Mining Engineering, at the address: PT@sdsmt.edu. Additional application materials will be required of applicants selected for these positions.

Contact Information:

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