Postdoctoral Research Position
Center for Mining Sustainability, Colorado School of Mines

The Colorado School of Mines, Center for Mining Sustainability (CMS), invites applicants for a postdoctoral position in remote sensing analysis of geologic hazards. The position is supported for 1.5 years, from January 1, 2021 through June 30, 2022. The research project will develop remote sensing and GIS algorithms to rapidly map geologic hazards for small communities in southern Peru, using a database of field-prepared hazard maps. The project is part of a group of studies conducted through the CMS, in partnership with faculty from the Universidad Nacional de San Agustín (UNSA) in Arequipa Peru, to improve safety and environmental conditions in small mines and the surrounding communities (https://miningsustainability.mines.edu).

The successful applicant will have expertise in: SAR, multispectral, and optical remote sensing methods, GIS, geologic hazards mapping and analysis, and project management. Fluency in Spanish is desired but not critical. The project will necessitate travel to Peru, once COVID restrictions and risks have subsided. This individual will be expected to contribute to and help lead research within a vibrant and diverse group of undergraduate and graduate students, postdocs, and laboratory staff working on this project and within the CMS. The CMS will be hiring about 9 post-docs / research associates and 9 graduate students for the current round of projects, to work with the 25 Colorado School of Mines faculty and ~20 UNSA faculty directing the projects. Therefore, the applicant can expect to be part of a robust community of scholars and a postdoctoral mentoring program.

Applicants should submit a curriculum vita, a brief (1-2 page) statement of interest, and the names of three references. Materials will be reviewed beginning July 31, 2020 and will be accepted until the position is filled. Applications may be submitted electronically as an email attachment to psanti@mines.edu or gwalton@mines.edu.