Post-doctoral Fellowship in Hydroinformatics and River Water Quality

New Mexico Tech's Dept. of Earth & Environmental Science (www.ees.nmt.edu) is seeking applications for a post-doctoral fellow in Hydroinformatics with an emphasis on merging hydrologic transport processes, fluvial geomorphology, and nutrient and contaminant dynamics in river systems. The appointment will support a national-scale synthesis project with the USGS Powel Center's "*River Corridor Group*" aimed at improving the characterization of river hydrogeomorpohology and its cumulative influence on water quality. The project integrates data mining and synthesis of large physical and biogeochemical datasets with new physics-based models for transport in large river networks. Research goals include assembling and assimilating hydrogeomorphic data into a new river corridor transport model to assess cumulative effects, and forecast outcomes for changing water quality at the scale of the nation. Applicants should have a demonstrated ability to independently develop research questions and answer them by consolidating large data sets into mathematical models. In addition, applicants are expected to work collaboratively with the Powell Center group, leading research activities that generate the submission of two or more peer-reviewed publications each year. The successful candidate will be hosted at New Mexico Tech's Dept. of Earth & Environmental Science under the supervision of Dr. Jesus Gomez-Velez with additional supervision by the other project PIs Dr. Jud Harvey (USGS), Dr. Elizabeth Boyer (Penn State), and Dr. Durelle Scott (Virginia Tech). The appointment is for up to two years, and computing facilities and travel are supported. Interested applicants should email a CV, transcripts, one relevant publication, a one-page statement of past and present research goals, and the names and addresses of three references to Dr. Jesus D. Gomez-Velez (jdgomez@nmt.edu). Review of applications begins November 15, 2015, and the position will remain open until filled.