# JEREMY S. STROHMEYER, PG

## EDUCATION

**MASTER OF SCIENCE IN GEOLOGY & GEOPHYSICS**
*University of Missouri - Rolla. Rolla, Missouri*

**BACHELOR OF SCIENCE IN GEOLOGY & GEOPHYSICS**
*University of Missouri - Rolla. Rolla, Missouri*

## EXPERIENCE

**Senior Project Manager** 2017 – present
*hydroGEOPHYSICS, Inc., Richland, WA*

Duties included collecting, processing and interpreting data for siting a new tailings pile for a copper mine.

**Project Manager** 2012 – 2017
*Geotechnology, Inc., Overland Park, KS*

Duties included business development, developing marketing materials, and managing geophysical projects. Methods used on the geophysical projects included: ground penetrating radar (GPR); seismic reflection and refraction; multi-channel analysis of surface waves (MASW); electromagnetics; magnetics; resistivity; induced polarization; self potential; and various downhole methods. Geophysical projects involved investigating various environmental or geotechnical engineering aspects of planned or existing power plants, chemical plants, manufacturing plants, industrial facilities, airports, railways, roads, pipelines, commercial or residential developments, landfills, dams, levees, and mines.

**Senior Geophysicist** 2004 – 2012
*Schnabel Engineering, Greensboro, NC*

Duties included business development, developing marketing materials, and managing geophysical projects. Methods used on the geophysical projects included: ground penetrating radar (GPR); seismic refraction; multi-channel analysis of surface waves (MASW); electromagnetics; magnetics; gravity; resistivity; induced polarization; self potential; and various downhole methods. Geophysical projects involved investigating various environmental or geotechnical engineering aspects of planned or existing power plants, wind farms, chemical plants, manufacturing plants, industrial facilities, airports, roads, pipelines, commercial or residential developments, landfills, dams, and mines.

**Geophysicist** 2001 – 2004
*Geotechnology, Inc., St. Louis, MO*

Duties included collecting, processing, and interpreting various geophysical data. Methods used on the geophysical projects included: ground penetrating radar (GPR); seismic refraction; electromagnetics; magnetics; and resistivity. Geophysical projects involved investigating various environmental or geotechnical engineering aspects of planned or existing power plants, chemical plants, manufacturing plants, industrial facilities, roads, pipelines, commercial or residential developments, and landfills. Duties also included Phase I and II Environmental Site Assessments (ESAs); groundwater and soil sampling; air monitoring; borehole and rock-core logging; and soils testing.

## PROFESSIONAL LICENSES

Geologist – Kansas, Missouri, North Carolina

## PROFESSIONAL CERTIFICATIONS

OSHA certified (29CFR 1910.120) 40 Hour Hazardous Materials Awareness

## PROFESSIONAL ORGANIZATIONS

AEG, Association of Environmental and Engineering Geologists
EEGS, Environmental and Engineering Geophysical Society
ITE, Institute of Transportation Engineers
SAME, Society of American Military Engineers
SEG, Society of Exploration Geophysicists

## SERVICE

AEG Carolinas Section, Secretary (2012)
AEG Kansas City-Omaha Section, Secretary, Vice-Chair, Chair, Past-Chair (2013 – 2017)
EEGS Membership Committee (2011 – present)
Session Chair AEG 2010. SAGEEP 2016.

## INVITED TALKS

North Carolina Society of Surveyors 43rd Annual Convention, 2007
AEG Annual Meeting, Geophysics Short Course 2010
Engineers Club of Kansas City, 2013
AEG Kansas City-Omaha Chapter Meeting, 2015
University of Missouri – Kansas City, Geosciences Department 2016
Kansas Hydrology Seminar, 2016
Kansas Professional Licensure Ceremony, 2017

## PUBLICATIONS

**– Peer Reviewed Papers –**

Fodor, B., Lambert, D., Strohmeyer, J., Petersen, B., Integrating Crosshole Seismic Tomography and Wireline Geophysical Logging to Characterize Karstic Bedrock for Vertical Shaft Excavation Design, FastTimes Special Issue: Karst Geophysics, September 2016, Volume 21, Number 3.

**– Conferences –**

Strohmeyer, J., Petersen, B., Fodor, B., Lambert, D., Using the 2D MASW Method to Estimate Depth to Bedrock and Variations in Lithology of Unconsolidated Materials to Facilitate Environmental Remediation, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 20-24, 2016, Denver, Colorado.

Petersen, B., Strohmeyer, J., Lambert, D., Geological Characterization, Debris Mapping, and Utility Locating at a Brownfield Site Using Electrical Resistivity, EM31, GPR, and Utility Locating Equipment, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 20-24, 2016, Denver, Colorado.

Fodor, B., Lambert, D., Strohmeyer, J., Petersen, B., Integrating Crosshole Seismic Tomography and Wireline Geophysical Logging to Characterize Karstic Bedrock for Vertical Shaft Excavation Design, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 20-24, 2016, Denver, Colorado.

Strohmeyer, J., Petersen, B., Lambert, D., Identifying Potential Future Sinkhole Locations Using Electrical Resistivity Near a Cave, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 22-26, 2015, Austin, Texas.

Strohmeyer, J., Petersen, B., Lambert, D., Use of Geophysical Survey to Assess Slope Failure and Pavement Distress Along a Roadway in Missouri, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 16-20, 2014, Boston, Massachusetts.

Whitt, J., Strohmeyer, J., Fox, T., Geophysical Surveys to Help Quantify the Impact of a Municipal Landfill on the Widening of US 64 in Dare County, North Carolina, NCDOT GEO3T2 Conference, April 4 & 5, 2013, Raleigh, North Carolina.

Strohmeyer, J., Roark, M., Fodor, B., Lambert, D., Use of Geophysical Surveys to Assess and Mitigate Void Formation Over a Sewer Failure – Charles B. Wheeler Airport – Taxiway G – Kansas City, Missouri, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 17-21, 2013, Denver, Colorado.

Strohmeyer, J., Fitzgerald T., Whitt, J., Sprinkle, D., Geophysical Investigations to Aid in the Design and Construction of a Replacement Dam, 53rd Annual AEG Meeting, September 20-25, 2010, Charleston, South Carolina.

Tripathi, G., Fryar, A., Paylor, R., Dinger, J., Currens, J., and Strohmeyer, J., Use of Integrated Geophysical Techniques to Locate a Karst Conduit in the Inner Bluegrass Region, Kentucky, GSA North-Central Section Annual Meeting, April 2 & 3, 2009, Rockford, Illinois.

Landis, M., Strohmeyer, J., Aiding the Dam Designer with a Planned Geoscience Investigative Program, ASDSO Southeast Regional Conference, April 13-16, 2008, Asheville, North Carolina.

Strohmeyer, J, Billington, E, Valiquette, M., Investigating Recurring Subsidence Features in the Coastal Plain, NCDOT GEO3T2 Conference, April 10 & 11, 2008, Charlotte, North Carolina.

Billington, N, Strohmeyer, J., Rutledge, F., 2D MASW Surveys to Evaluate Subsurface Stiffness: Investigations of the 2004 I-40 Landslide and Other Projects, Proceedings of the 7th Annual Technical Forum: Geohazards in the Transportation in the Appalachian Region, Asheville, NC, August 1-2, 2007.

Strohmeyer, J, Billington, E, Derrenbacher, K, Determining Concrete Thickness and Overlay Bond Quality of Roadways Using Ground Penetrating Radar, FHWA Geophysics and NDE Conference, December 4-7, 2006, St. Louis, Missouri.

Strohmeyer, J, Billington, E, Derrenbacher, K, Determining Concrete Thickness and Overlay Bond Quality Using Ground Penetrating Radar, NCDOT GEO3T2 Conference, April 20 & 21, 2006, Charlotte, North Carolina.

Dunscomb, M. H., Billington, E. D., Painter, M. A., and Strohmeyer, J. S., Determining Areal Extent, Cover, and Volume of Waste Fills Using Geophysics for Land Use Planning, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, April 2-6, 2006, Seattle, Washington.

Strohmeyer, J, Brady, T., Cardimona, S., Detection and Delineation of Underground Fuel Storage Tanks and Associated Utility Lines Using Electromagnetic Induction and Ground Penetrating Radar Methods, FHWA Geophysics and NDE Conference, December 11-15, 2000, St. Louis, Missouri.

Webb, D., Strohmeyer, J, Anderson, N., Bridge Scour: Application of Ground Penetrating Radar, FHWA Geophysics and NDE Conference, December 11-15, 2000, St. Louis, Missouri.

Roark, M.S., Strohmeyer, J.S., Anderson, N.L., Shoemaker, M.L., Applications of the ground-penetrating radar technique to the detection and delineation of homicide victims and crime scene paraphernalia, Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, March 22-25, 1998, Chicago, Illinois, 1063-1071.