

POSTCONVENTION WORKSHOP

W-10: GEM Methods (Gravity, Magnetic, Electrical and Electromagnetic) for Environmental Applications

George R. Brown Convention Center, Room 342AD

Start	Stop	Presentation	Speaker	Affiliation
8:30 AM	8:35 AM	Introduction, welcome to workshop, safety and general housekeeping items	Rao Yalamanchili, Nadia Fantello	Rao Geophysical Solutions, S&ME, Inc
		Session 1		
8:35 AM	9:10 AM	Case studies for GEM methods for environmental applications	Mustafa Saribudak	Environmental Geophysics Associates
9:10 AM	9:35 AM	Workflow for a joint inversion of Gravity and Gravity gradients for environmental applications	Luigi Bianco	University of Naples "Federico II"
9:35 AM	10:00 AM	Enhanced imaging of subsurface metallic infrastructure using deep learning artificial intelligence on above ground magnetic data	Souvik Mukherjee	empactai.com
10:00 AM	10:15 AM	Break		
		Session 2		
10:15 AM	10:45 AM	Active growth faults from the Houston area from gravity, magnetic, resistivity, EM31, and GPR methods	Mustafa Saribudak	Environmental Geophysics Associates
10:45 AM	11:15 AM	Update on the Drone Guidelines for magnetic survey	Tim Archer	Reid Geophysics Limited
11:15 AM	11:45 AM	Update on magnetic and gravity nomenclature	Rao Yalamanchili	Rao Geophysical Solutions, S&ME, Inc
11:45 AM	12:00 PM	Workshop Wrap-up	Rao Yalamanchili, Nadia Fantello	Rao Geophysical Solutions, S&ME, Inc