

Friday June 24th, 2022

# GEOTECH FIELD DAYS 2022



## Electrical Resistivity for Groundwater & Environmental Investigations

### RMAEP Lunch Lecture

Dr. Jeff Fitzgerald, Ph.D

President and COO, Bryant  
Consultants

Electrical Resistivity for Groundwater and Environmental Investigations  
Electrical Resistivity Tomography (ERT) is a geophysical method with a strong history of use in environmental and groundwater investigations. ERT is well-suited to identify moisture and material differences within the subsurface, including partially saturated or perched groundwater conditions. When the stratigraphy and groundwater regimes are well-understood, ERT can detect contaminants and anomalies based on variations in conductivity. Recent advances in the technology allow for higher resolution imaging, a reduction in noise, and the capability for real-time monitoring.

Dr. Fitzgerald is an experienced strategic advisor and business operations leader with a diverse background in research, teaching, consulting, and business management. His 35-year career includes oil and gas exploration, ecological resource management, environmental engineering, remote sensing and geophysical investigation, geologic and geotechnical services, facility and infrastructure asset management, business and finance advisory services, and operations. As President and Chief Operating Officer, Dr. Fitzgerald directs the business of Bryant's forensic and risk analysis engineering and architecture lines of business.

TIME	FRONT CONFERENCE ROOM	CAFETERIA	WEST OPEN ROOM	OUTDOOR TENT
8:30-9:00	Virtual Coffee & Shop Talk		Geotech Factory Tour - Meet by 8:30	
SESSION TRACK	XRF's & DATA MANAGEMENT	REMEDICATION	FIELD EQUIPMENT ON DISPLAY	EQUIPMENT SALES
9:00-9:30	Lead Based Paint Detection <i>Brian, Geotech</i>	Solar Sipper System <i>John Scriptor &amp; Garrett Hanse, Geotech</i>	Geotech Environmental Equipment & Vendor Area:  You'll find your edge as you explore the latest innovations and meet some of the leading instrument and technology experts during Field Days.	ANNUAL TENT SALE  Order new gear at special event pricing.
9:30-10:00	Ion PID, PID Sensing Technology <i>Blake Pirtitz, ION Science</i>	Dissolved Phase Pumping Systems <i>Jeff Nimmo, Geotech</i>		
10:00-10:30	Remote Landfill Monitoring, <i>Jerome Gogue, Geotech</i>	Scavenger Technology <i>John Scriptor, Geotech</i>		
10:30-11:00	BREAK			
11:00-11:30	Advancements in Environmental Data Management & Display <i>David Rich, Geotech Computer Systems</i>	Vapor Phase Remediation <i>John Scriptor, Geotech</i>		
11:30-12:00	Single and Multi Series Gas Detectors, <i>Henry Dukart, RKI</i>	Advances in Optical Sensing Dissolved Oxygen <i>Ryan Cox, Aquaread</i>		
12:00-1:30	RMAEP LUNCH LECTURE Electrical Resistivity for Groundwater and Environmental Investigations			
SESSION TRACK			FIELD EQUIPMENT ON DISPLAY	EQUIPMENT SALES
1:30-2:00	Networking and Raffle Winner Announcement		From the newest advanced water quality and air quality instrumentation, telemetry, sampling pumps, filtration, geophysical, soil sampling, and remediation equipment.	Check out the refurbished and open box area for equipment at 50%-70% Off.
2:00-5:00	Tear Down			

Field Days is designed to advance the environmental industry. This hybrid educational program features top equipment and methods. We will explore the most relevant technologies available, hands-on at our headquarters in Denver, and virtually from home or office.

Thank you for supporting Field Days

