

Surface to Borehole EM for Deep formation Imaging

Michael Wilt

Affiliate at Lawrence Berkeley National Laboratory

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Abstract:

With the promise of deep formation imaging around a single borehole, surface to borehole EM has been tantalizing geophysicists for a number of years. Field testing was initiated in the 1980's and imaging was made possible in the 90's, and while a number of successful field tests have been completed, the technique has been hampered by a complex deployment and inconsistent results. In this talk we will review the main principles, look at past applications and briefly discuss the prospects for this interesting and (sometimes) frustrating technology.

Presenter's Bio:

A graduate from the Engineering Geosciences group at UC Berkeley, Dr.



Michael Wilt has worked with deep reading borehole EM from the past 25 years. After initiating inductive crosswell technology at Lawrence Livermore lab in 1989 he joined Electromagnetic Instruments Inc (EMI) in 1997 where he lead R and D projects in crosshole EM, surface to borehole EM and extended induction logging. From 2001 to early 2015 he was employed by Schlumberger, with the most recent position

of Schlumberger Advisor in Deep Reading EM Technologies and center manager to the EMI Technology center in Berkeley, California. After retiring from Schlumberger he has worked to rebuild the deep reading EM capability at Lawrence Berkeley lab for the past 6 years

Zoom meeting information:

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