

Bay Area Geophysical Society Seminar Series



Geophysics for Geothermal exploration: A look to the past and a view of the present

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April 27th, 2023 5 PM PST -- Hybrid Talk

In-person in Room 265 at McCone Hall (UC Berkeley campus) and on [Zoom](#)

Abstract:

Geothermal exploration began a rapid expansion with the oil crisis in the 70-80's with most major oil companies and the US DOE funding the exploration of many domestic and international fields. Early efforts were only partially successful with a number of oil field geophysical methods shown to be less effective in complex volcanic covered geothermal fields. Over time the tool box has been honed and geophysics has emerged as a primary tool in locating and delineating geothermal fields, although their application is much different from the "target based" approach originally envisioned. In this talk we will briefly review some of the methods tried and advances made in the past 50 years and look at the present state of the art for applying geophysics to geothermal exploration.

Author:

Dr Michael Wilt is a geophysical affiliate at Lawrence Berkeley Laboratory where he works in deep reading electromagnetic technologies. He has been active in geothermal exploration for most of his 40-year career with positions at Geonomics Inc (1976-77), Lawrence Berkeley National Laboratory (1977-83), Lawrence Livermore National Laboratory (1989-1997) Electromagnetic Instruments Inc (1997-2001), and Schlumberger (2001-16). He is a graduate of UC Berkeley Engineering Geosciences (1991), and a former president of BAGS.



Zoom meeting information:

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