

From: (null) 

Subject: NEWS: internal multiple elimination and ground roll prediction with NO subsurface and NO NEAR SURFACE INFORMATION required, estimated or determined

Date: April 8, 2019 at 10:18 AM

To: Weglein, Arthur B aweglein@Central.UH.EDU

Dear sponsors , colleagues and friends,

I hope that this note finds you very well. All is well on this end, very busy, energized and very happy.

TECHNICAL NEWS AND ADVANCES

I thought that it might be useful and timely to share one of the SEG Abstracts that we submitted last week, on multi-D internal multiple elimination without subsurface information.

In the second column of the first page there is mention of a new and very recent advance within M-OSRP **that completely removes the need for near-surface information (including at and immediately below the measurement surface , for example, at the earth's surface or at and immediately below the ocean floor)** for on-shore conventional and unconventional plays, and offshore OBS acquisition and processing- for example, for predicting the reference wave including ground roll, de-ghosted reflection data (without damaging either the ground roll or the reflection data) and free surface and internal multiple elimination, depth imaging and amplitude analysis. That is in addition to (and beyond) the current methods not needing subsurface information, starting at some distance below the measurement surface , which is no problem for the marine towed streamer but a major problem and obstacle at the earth's surface for on-shore and OBS. Specifically that new advance in addition removes the need for any information whatsoever, beginning at the measurement surface ,and immediately below for example, at the earth's surface and at the near surface and in addition to our previous deliveries not needing information in the subsurface. For marine towed streamer processing the goal is to utilize dual sensor acquisition , and broad band acquisition to predict reflection data and the direct wave without damaging either, and to bring a new level of efficiency to match the effectiveness of the ISS internal multiple eliminator.

M-OSRP Annual Technical Review in 2019 and 2020

This year's M-OSRP Annual Technical Review will consist of video -taping presentations in early June 2019 (that you will receive via a link)that review our program and all projects, goals and progress- and the schedule for proprietary well documented effective and efficient code deliveries for 2019 and 2020. After receiving the link with presentations, we will follow-up with individual company on-site and skype meetings with sponsors. We will return to our long-term traditional on-site UH M-OSRP Annual Technical Review in 2020.

These are busy and exciting times, we appreciate (and thank you for) your constant encouragement and strong support. And we look forward to staying in touch.

Warmest best regards,
Arthur

Dr. Arthur Benjamin Weglein

Dr. Arthur Benjamin Weglein

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- [Arthur Weglein selected as Co-Editor-in-Chief of the Journal of Seismic Exploration](#)



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From: Weglein, Arthur B
To: [Weglein, Arthur B](#)
Subject: 2019 M-OSRP update and focus: goals, strategy, deliverables and impact
Date: Saturday, February 02, 2019 4:28:00 PM

2019 M-OSRP update and focus: goals, strategy, deliverables and impact

FOCUS ON REMOVING FREE SURFACE AND INTERNAL MULTIPLES WITHOUT DAMAGING INTERFERING TARGET PRIMARIES: FOR OFFSHORE AND ONSHORE CONVENTIONAL AND UNCONVENTIONAL PLAYS

<http://mosrp.uh.edu/news/m-osrp-strategy-and-plan-for-continued-high-impact-seismic-development-and-delivery-11-27-18>

Ecopetrol presentation 2018

<https://drive.google.com/file/d/13Nv0MDJKDjxPYsQdBQ95stC3Z7Qwcjxs/view?usp=sharing>



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