


From: (null) 
Subject: video of invited presentation (in the link below) for Ecopetrol event on December 9, 2018 in Bogota, Colombia
Date: July 1, 2019 at 12:56 PM
To: Weglein, Arthur B aweglein@Central.UH.EDU

I was honored and privileged to receive an invitation from **Ecopetrol** to write a journal article and to present a talk for the special event: Science, Technology and Future (CT&F) Special Edition on Seismic Migration and Inversion of the CT&F Journal on **December 9, 2018 in Bogota Colombia.**

The title of the article and presentation is:

‘Direct and indirect inversion and a new and comprehensive perspective on the role of primaries and multiples in seismic data processing for structure determination and amplitude analysis’ .

I hope that you find the attached article, and the video presentation in the link below, to be worthwhile, informative and interesting.

The video begins by asking **‘Why do we need a new perspective?’ ‘What exactly is new?’ And what are the practical benefits and value and resource allocation and E&P research strategy implications ?’**

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

Warmest best regards,
Arthur

Below please find background and supplementary videos that complement the presentation in the link above for Ecopetrol

2018 M-OSRP Annual Technical Review Video and Synced Slides(topics include on-shore preprocessing for ground roll and reflection data prediction, without damaging either, a tool box guide for using SRME or ISS free surface multiple elimination, ISS internal multiple attenuation and elimination, resolution comparison between RTM and the new Stolt CIII migration, for conventional and broad-band data, ISS Q compensation without knowing , estimating or determining Q)

<http://mosrp.uh.edu/news/annual-meeting-2018>

Executive Summary – a single accessible starting point for deriving all M-OSRP ISS and Green’s theorem methods

<http://mosrp.uh.edu/news/executive-summary-progress-2017>

ISS Direct Depth Imaging without knowing, estimating or determining a velocity Model

<http://mosrp.uh.edu/news/invited-presentation-petrobras-workshop-aug-2016>

ISS Direct Estimation of Subsurface Earth Mechanical Properties

Key-note address, Abu Dhabi, March 31st , 2015 presented at the SEG FWI, Workshop

[Filling the gaps in Abu-Dhabi](#)

Advances in the physics of imaging for enhanced illumination and resolution with benefit for petroleum exploration

<http://www.uh.edu/nsm/physics/news-events/stories/2018/0525-seismic-processing.php>



Ecopetrol
invited...-14.pdf



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slides...n.pptx