

PRE-CONVENTION COURSE: Seismic Inversion for Reservoir Characterization

Instructor : Awal Mandong, Technical Advisor, CGG GeoSoftware, Far East Region

Dates : 26th – 27th April 2018 (2-days)

Venue: Hotel Kristal, Jakarta

Language : English

Cost

EARLY BIRD REGISTRATION UNTIL 12 MARCH 2018

Rp. 1.500.000 (IPA Professional Division Member)
Rp. 2.000.000 (Non- IPA Professional Division Member)

REGULAR REGISTRATION AFTER 12 MARCH 2018

Rp. 2.000.000 (IPA Professional Division Member)

Rp. 2.600.000 (Non- IPA Professional Division Member)

<u>Includes</u>: course manual, lunch and breaks.

We encourage Participants to apply as IPA Individual Member to get benefit for registration cost.

The workshop will discuss the scientific idea behind currently practiced industry-standard seismic inversion methods from viewpoints of concepts, workflows as well as recommended applications. It will demonstrate how seismic inversion results can effectively be used for analysis and better understanding of subsurface geology, enhance quality of interpretation and prospect risk assessment. It will further discuss how these results can aid in increasing productivity through planning for optimal well placement in different reservoirs ranging clastic, carbonate and unconventional. Numerous case studies will be included to further harness and demonstrate all the discussed topics. The full two-day workshop will be instructor-led and lecture based.

ABOUT THE COURSE

Upon completion of the course, participants will understand how to interpret and analyze inversion results using elastic properties such as P-Impedance and VP/VS for

- more accurate structural, stratigraphic interpretation, maps and volumetric
- detailed conversion of elastic properties into petrophysical reservoir properties
- effective drilling program based on clearer interpretation of the reservoir
- advanced reservoir description and characterization

WHO SHOULD ATTEND

Anyone interested and intend to learn how to interpret and analyze inversion results.

26 th April	27 th April		
What is inversion & why invert seismic data for reservoir characterization? Role of seismic inversion in reservoir characterization Types of seismic inversions currently used in O&G Industry- their uses and limitations AVO Theory, Analysis and Interpretation Intercept and gradient, AVO cross-plot AVO analysis and interpretation in prospecting and de-risking	 Geostatistical Inversion Geostatistical Inversion: Concept, algorithms and workflows Setting objectives and expectation: continuous and discrete properties, resampling and resolution Geostatistical Modeling: PDF and Variogram Geostatistical Simulation Handling trends: compaction trend strong lateral regional trend 		
EI & EEI, Independent AVO inversion, simultaneous inversion Peterministic Inversion Commonly used workflows for deterministic inversion Issues and challenges with deterministic inversion:	 Uncertainty: Quantifying the range of possibilities Co-simulation and direct inversion of engineering properties Ranking: Quantifying uncertainty through probabilities of various outcomes. Applications of geostatistical inversion results for building static and dynamic models Case Studies 		

ABOUT THE INSTRUCTOR

Awal Mandong is currently the Technical Advisor for CGG GeoSoftware Far East Region based in Jakarta. He has more than 10 years of experience in Geoscience and worked with various clients on projects and studies on :

Seismic Reservoir Characterization



- Lead, play & prospect identification and analysis
- Direct Hydrocarbon Indicator analysis (DHI)
- Advance seismic interpretation and structural mapping
- Borehole seismic data pre-survey modeling, processing & interpretation
- Subsurface data QC, conditioning, enhancement and analysis

He received his Bachelor degree in Geophysics from Institute of Technology, Bandung (ITB) and started his early career as a Geophysicist with Indonesian oil companies. He was also engaged to manage consulting projects related to Seismic Processing and Quantitative Interpretation with GeoWave prior to joining Baker Hughes' Reservoir Development Services for Asia Pacific Region.

Awal joined CGG GeoConsulting in 2015 as a Project Leader handling seismic reservoir characterization studies and projects for local and international oil companies before moving to CGG GeoSoftware serving his current role. Awal has conducted workshop classes previously at JCM, FSTH4, SKK Migas HampsonRussell education series, and Geostatistical Inversion education series for PERTAMINA, Total Indonesie and etc

FOR REGISTRATION AND DETAIL INFORMATION, PLEASE CONTACT:

IPA SECRETARIAT

Indonesia Stock Exchange Building - Tower 2, 20th Floor (Suite 2001)

Jln. Jendral Sudirman Kav. 52-53

Jakarta 12190 - Indonesia Telephone : (62-21) 515-5959

Facsimile: (62-21) 5140-2545; 5140-2546 E-mail: anna.sulistiyaningsih@ipa.or.id

SHORT COURSE REGISTRATION FORM

Awal Mandong, Technical Advisor, CGG GeoSoftware, Far East Region Instructor:

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Attendee Name	:					(Mr/Mrs/Ms)		
Company	:							
Telephone/Fax.	:							
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Indonesia Stock Exchange Building, Tower II, 20th Floor (Suite 2001)

Jln. Jendral Sudirman Kav. 52-53

Jakarta 12190

Telephone: 515-5959

Facsimile : 5140-2545; 5140-2546

E-mail Anna.Sulistiyaningsih@ipa.or.id

Substitution, Cancellation and No-show policy:

- The Course registration is transferable. Written notification is required for substitution no later than 5 working days prior to the course start date.
- Cancellation received by 2 weeks before the course start date, participant will get 50% refund
- Cancellation received by less than 2 weeks before the course start date, participant will get no refund
- No-show participant will be full charged

All requests must be submitted to anna.sulistiyaningsih@ipa.or.id

