

# HAGI REGULAR COURSE 2012



## **Seismic Data Assessment for Exploration & Development**

**9 - 13 April 2012  
Bandung, Indonesia**



**Expert Course Trainer :**

**Wahyu Triyoso  
(Institute Technology  
Bandung)**



**Sonny Winardhi  
(Institute Technology  
Bandung)**

**The Indonesian Association of Geophysicists**

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# Seismic Data Assessment for Exploration & Development

9 - 13 April 2012 , Bandung, Indonesia

Course fee : Rp. 25.000.000 (Member)  
Rp. 26.000.000 (Non-Member)

(Includes: lunch & coffee break, course material, course kit, certificate, Photo Group)

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To provide participants with a sound understanding of the preserved amplitude seismic data processing procedures and their key benefits, and how to make the best use of the resulting processed data for further modeling and analysis for both field exploration and development purposes.

## COURSE OUTLINE

- Reviews on the basic seismic processing steps.
- Preserved amplitude processing procedures including preserved amplitude pre-stack time (PSTM) and pre-stack depth migration (PSDM) processing.
- How to make the best use of the preserved amplitude data to deliver optimal subsurface model for field exploration utilizing conventional and recent technologies in direct hydrocarbon indicator (DHI), Spectral Decomposition, Wave-shape Classification and Relative Impedance
- Inversion.
- How to integrate the available information (wells and seismic) to deliver integrated subsurface model for field development using Amplitude versus Offset (AVO) Modeling, Seismic Inversion including Simultaneous Angle Dependant Inversion and Geo-statistical approaches.
- Case Studies
- Course will be conducted using the interactive learning system.

## KEY FEATURES

2D and 3D preserved amplitude seismic data processing, conventional and recent technologies in seismic based reservoir characterization, delivering optimal and integrated subsurface model for field exploration and development.

## ABOUT THE INSTRUCTOR



**Wahyu Triyoso, Ph.D** was graduated from Geophysics Dept. of ITB. He earned his Master degree and Ph.D. In Tokyo University. He joined Seismograph Services Limited (SSL) on 1987 as Field Seismologist and moved to Borehole Geophysics Division on the same company two years later. In 1991, he joined Western Geophysical in Bandung as Seismic Land & Marine Data Processing Geophysicist.

Wahyu was involved on Excor Project with ARCO when doing Onboard Seismic Data Processing under Landmark Graphics Corporation on the year of 1993. In 2002, Wahyu and team Wet developing the software of Basic Seismic Signal Processing & Forward Modeling followed by Advance Seismic Data Processing including careful processing for amplitude preservation via PSTM, PSDM and Depth Imaging based on SU sub-routines in 2003. ERI Tokyo Japan was inviting Wahyu to conduct a research on Fault Mechanics and Wave Transmission during the years of 1996 to 2002. In 2007, Wahyu was appointed as a member of Independent Technical Assessment of IDD Chevron Project. In summary, Wahyu has spent more than 20 years working on the field of geophysics for most of oil and gas industry as well as contribute his knowledge on seismology for non exploration. His daily activity is teaching and developing the geophysics program at Geophysics Department of ITB as Senior Lecturer

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**Sonny Winardhi** was born in Semarang. He is graduated from Geophysics Dept. of ITB and earned his M. Sc. and Ph. D. degrees from University of Western Ontario, Canada. He received Chevron Award for Outstanding Paper in Seismology from Canadian Geophysical Union in 1995.

Sonny's scientific papers have been published on national and international publications such as "Pattern Recognition and Tomographic Seismic Imaging Technique with Application to Subsurface Tectonic Structures of the Canadian Shield" on the Proceeding of the 30th International Geological Congress, Netherlands in 1996, "Seismic Images of the Greenville Front Tectonic Zone from Recent Wide-Angle Refraction and Reflection Data" on the Proceeding of the 7th International Symposium on Deep Seismic Profiling, California, USA in 1997. Sonny is a Senior Lecturer at Geophysics Department of ITB and has spent more than 11 years on the field of geophysics mainly on AVO modeling, Stratigraphic Inversion study, Multi Attribute analysis and worked very closely with geologists on Reservoir Characterizations.

### **INFORMATION AND REGISTRATION**

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**HAGI TRAINING COORDINATOR**  
Gustriyansyah Mishar (CNOOC)  
Kemala Pergina (GEOTECH)

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# HAGI REGULAR COURSE 2012

## REGISTRATION FORM

Course Title : **Seismic Data Assesment for Exploration & Development**  
Dates : **April 9-13, 2012**  
Venue : **Bandung, Indonesia**  
Instructor : **Wahyu Triyoso & Sonny Winardie (Institute Technology Bandung)**  
Course Registration Fee\* :  **Rp. 25.000.000** (HAGI Member) /  **Rp. 26.000.000** (HAGI Non-Member)  
*\*(Kindly ✓ appropriate square)*

### **PARTICIPANT** *(Kindly complete the data)*

Title\* : Mr.  /Mrs   
Attendance Name : \_\_\_\_\_  
Job Title : \_\_\_\_\_  
Company : \_\_\_\_\_  
Office Address : \_\_\_\_\_  
Phone/Facsimile : \_\_\_\_\_  
Mobile Phone Number : \_\_\_\_\_  
E-mail Address : \_\_\_\_\_  
Contact Person : \_\_\_\_\_  
Phone \_\_\_\_\_ E-mail \_\_\_\_\_  
HAGI Member\* : Yes  /No

*\*(Kindly ✓ appropriate square)*

### **Special Notifications :**

The Investment Fee includes meals (2x coffee break and lunch), course materials, course kits, group photograph, and certificate (exclude hotel and tax). In order to allow sufficient time for arranging travel and processing document, participants are recommended to make an early enrollment. Unless prior arrangements are made by HAGI, payment may be required well 14 days in advance of the course date to guarantee your seat. Registration will be closed on 14 days before course date. Late enrollment may result in course cancellation.

### **PAYMENT METHOD BY** *(Kindly ✓ appropriate square) :*

Cash addressed to HAGI Secretariat  Invoice, *send addressed to :*

Bank Transfer in full amount to :

*Himpunan Ahli Geofisika Indonesia*

*Bank BNI Cab. Menteng, Jakarta Pusat*

*AC : Rupiah (Rp) 0010740147 /Dollar (US\$) 0010740158*

**PLEASE FAX THIS FORM TO : +6221.5250040 or EMAIL : [training.center@hagi.or.id](mailto:training.center@hagi.or.id) & RECONFIRM YOUR REGISTRATION TO HAGI TRAINING CENTER, CP : Arida Chyntia Andriani Phone +6221.5250040 /Mobile +6281.288924225**

**Let's register yourself right now!**

**HAGI Secretariat : Patra Office Tower, 20<sup>th</sup> Floor, Suite 2045**  
**Jl. Jend. Gatot Subroto Kav. 32-34 Jakarta Selatan 12950, Indonesia**  
**Phone/Fax : +6221.5250040**  
**Visit our website : [www.hagi.or.id](http://www.hagi.or.id)**

**Cancellation, Substitution & Non Attendance Policy :** Tuition fees are transferable but not refundable. Notification is required to substitute another participant, no later than 5 working days prior to the program, should the nominated person be unable to attend. Cancellation will only be considered, if being cancelled at least 1 (one) week before course exhibited. Late cancellation will be charge 50% from the course fee.