



# Post Convention Events

## JOINT CONVENTION MALANG 2017

**Workshop and Field Trip:**  
Mahakam Delta System: Modern and Ancient,  
Integration of Outcrops, Modern Depositional  
Processes and Subsurface Data

1. Erlangga Septama, Ph.D
2. Ir. Herman Darman, M.Sc.



 October 3rd-5th, 2017

 Samarinda, East Kalimantan



**IAGI**  
LEARNING CENTRE

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## Introduction

This workshop will be held as post convention The HAGHAGHAFM-IATMI Joint Convention Malang 2017. The ancient and modern Mahakam Delta systems offer an excellent opportunity for up-close observation of the mixed fluvial and tidal influence delta succession within outcrops and the modern sedimentation processes. These analog exhibit aspects of the ordered stratigraphic architecture within a range of spatial scales that are equivalent to those encountered in subsurface (e.g. well log, core and seismic data) and therefore can be used to support the interpretation at the field development scale. This proposal outlines a three-day field observations and studies of sequence stratigraphy, sedimentology, paleo-geomorphology and reservoir characterization of deltaic and its adjacent environment deposit.

This field trip is addressed to geologist, geophysicist, and reservoir engineer with interest in field based training of sequence stratigraphic methodology for geological correlation, facies analysis, reservoir geometry and heterogeneity prediction to build a comprehensive and realistic geological model. In the past, this fieldtrip have been particularly valuable for Pertamina EP employees who are working in siliciclastic reservoir environment.

Middle Miocene Balikpapan Group, Pulau Balang Formation and Modern Mahakam Delta allow to stimulate discussion on different-scale deltaic depositional processes and on the regional significance of these deposits: field exercises will be proposed with aim to compare and/or correlate subsurface based model (seismic and log) with outcrop analogs. In the light of recent advanced technology of unmanned aerial vehicle (UAV), the digital outcrop modelling (DOM) using drone is also incorporated to support the field exercise and interpretation



## Objectives

- Acquire useful information about the various deltaic facies morphometrical parameters such as typical channel thickness, slope gradient, width and sinuosity, lateral vs. vertical stacking pattern, dimension and geometry.
- Observe modern processes and relate them to the sediment dispersal processes, facies distribution, sand shale ratio and reservoir distribution prediction in subsurface.
- Observe and learn the lateral variation of facies, inter-relationships between reservoir, reservoir quality from various sand facies and the complexity of the reservoir that we may encounter in subsurface and how they impact the field development.
- Understanding data type and scale, and how they impact the petroleum business.



## Field Trip Stop Site

### Day 1

- Deltaic Sequence
- Fluvial - Flash flood deposit
- Marine shelf-slope deposit, Mud volcano (optional)
- Deepwater Slope Channel-Levee system

### Day 2

- Deltaic Head of Facies
- Distributary and Tidal Channel
- Modern Delta Front Estuarine area
- Modern Distributary Mouthbar

### Day 3

- Deltaic, deltafront - lower delta plain Parasequence
- Transgressive back-stepping channel, delta front to delta plain
- Stacking Tidal Channel-lower delta plain-delta front
- Tidal Channel-lower delta plain-delta front
- Mouthbar complex and minor fault





## Instructors

### Erlangga Septama, Ph.D



Erlangga is working as a specialist for upside potential in Pertamina EP Asset-5 (eastern Indonesia) based in Balikpapan. He obtained his bachelor degree (geology) from Universitas Trisakti, Indonesia; MAppSc from The University of New South Wales, Australia; and PhD from Memorial University of Newfoundland, Canada. He has become an instructor or coinstructor for various field trip in Sabah, Brunei, United States, Canada and East Kalimantan Indonesia. His passion lies mainly in marine-geology, sedimentology and high-resolution sequence stratigraphy.

### Ir. Herman Darman, M.Sc.



Herman completed his first degree in geoscience from the Institute of Technology, Bandung (ITB) and took his MSc degree from Aberdeen University (Scotland, UK). During his career, Herman spent about 15 years on Borneo projects including Brunei, Malaysia and Indonesia. He lead various field trips on deltaic settings. Before he left Shell in 2016, he was the principal exploration geoscientist for Asia Pacific Region. Currently he is leading a social enterprise in geoscience.

## Investment Fee



**IDR 17.000.000 ,- / participant**

Hotel accomodation, Transportation during field trip, VIP Bus, Meals, Refreshment, Excursion guide book, Certificate, Photo group, Medical and HSE Team, Field geological Equipment (Map, Geology compass, Hammer geology and Magnifier).  
Excluded VAT Tax and Flight ticket.



## Who Should Attend

Exploration Geologists, Petrophysicist, Geophysicists, Engineers, Academics which interested in exploration geology.

## Cancellation, Substitution & Non Attendance Policy



Tuition fees are trasferable but not refundable. Notification is required to substitute another participant, no later 5 working days prior to the program, should the nominated person be unable to attend. Late cancellation sometimes causes event to be abandoned. Non attendance participant will be full charged as all preparations will have been done.

## Information & Registration

### IAGI Learning Centre / Biro Kursus IAGI

**Jakarta Sekretariat :** Crown Palace, Blok C-8  
Jl. Prof. DR. Soepomo, SH. No.231, Tebet - Jakarta 123870  
Phone/Fax: (62-21) 8370 2848/ 8378 9431

**Bandung Office :** Teak Wood Building  
Jl. Cikutra Barat, Pasir Reuma No.84, Bandung 40133, Indonesia



birokursus.iagi2@gmail.com



@birokursusiagi



Biro Kursus



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## JOINT CONVENTION MALANG 2017

Course Title : **Mahakam Delta System: Modern and Ancient, Integration of Outcrops, Modern Depositional Processes, and Subsurface Data**

Dates : October 3rd - 5th, 2017

Venue : Samarinda

Investment Fee : IDR 17.000.000,- / Participant

Instructor : Erlangga Septama, Ph.D dan Ir. Herman Darman, M.Sc.

**PARTICIPANT** (Kindly complete the data)

Title : \*Mr.  /\*Mrs.

Attendance Name : \_\_\_\_\_

Nick Name : \_\_\_\_\_

Job Title : \_\_\_\_\_

Company : \_\_\_\_\_

Office Address : \_\_\_\_\_

Phone/Fax : \_\_\_\_\_

Mobile Phone Number : \_\_\_\_\_

Personal Email : \_\_\_\_\_

IAGI Member : \*Yes  /\*No

*\*(Kindly ✓ appropriate square)*

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

Bank Transfer in full amount to:  
**Ikatan Ahli Geologi Indonesia**  
Bank Mandiri  
Account Number : 123 0085 005314

Invoice, send addressed to:

**PLEASE SEND THIS FORM TO EMAIL : [birokursus.iagi2@gmail.com](mailto:birokursus.iagi2@gmail.com) & RECONFIRM YOUR REGISTRATION TO IAGI LEARNING CENTRE** Hp: 0815 6200 197 (Hari)

**Jakarta IAGI Secretariat:** Komplek Crown Palace, Blok C No.28 Jl. Prof. Dr. Supomo, SH No. 231 Tebet, Jakarta Selatan 12870 Phone: +6221-83702848 Fax: +6221-83789431 Email: [iagisek@iagi.or.id](mailto:iagisek@iagi.or.id)

**IAGI Learning Centre:** Teak Wood Building 2nd Floor Jl. Bukit Reuma No. 84, Cikutra Barat, Bandung 40133 Phone: +6222-2517886 Email: [birokursus.iagi2@gmail.com](mailto:birokursus.iagi2@gmail.com) Website: [www.iagi.or.id/kursus](http://www.iagi.or.id/kursus)

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