



KAPPA Presentation on Dynamic Data Analysis

KAPPA started twenty-eight years ago when the analysis of dynamic data was all about well test interpretation.

Since then other sources of dynamic information have complemented and sometimes partially replaced well tests and other methodologies developed on various time scales. Some of these tools, such as permanent gauges and fibre optic installations, have created new challenges with the amount of data they produce and in the information they provide. Even traditional pressure transient analysis has been enriched with new tools such as deconvolution and advanced numerical models. In recent years, the production of unconventional plays have added a new dimension with additional challenges in how we should understand, model and forecast their behavior.

This presentation will focus on the past and current technical developments that KAPPA has undertaken with its software products to meet these challenges.

To book a place at this free event please contact eventsSEA@kappaeng.com



Olivier Allain holds an Engineering degree from Ecole Nationale des Ponts et Chaussées (1987), an MSc and an Engineer degree in Petroleum Engineering from Stanford University (1987, 1988).

In 1990, after two years with Schlumberger Testing and Production Services as a field engineer in Africa, Olivier joined KAPPA. He has been involved with the writing of Saphir, (Pressure Transient Analysis), Topaze (Production Analysis), and Emeraude (Production Logging Interpretation). Olivier has served as KAPPA Technical Director since 1991; he is leading the development of the company software products.

Presentation Schedule

Venue: Hotel Sunroute Plaza Shinjuku, Tokyo
Date: August 4th, 2015

08:45 - 09:00 Welcome Coffee

09:00 - 10:15

Update on KAPPA

30 years of PTA in perspective

- The Bourdet derivative
 - Analytical models, nonlinear regression and Artificial Intelligence attempts
 - Numerical models and deconvolution
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10:15 - 10:30 Coffee

10:30 - 12:00

Additional components of dynamic data analysis

- Production Analysis (Topaze NL)
- Field History Matching (Rubis)
- Workflow using PDG data in Intelligent Fields (KAPPA Server)

KAPPA Generation 5 and KAPPA Workstation

- KAPPA Generation 5 objectives and roadmap
 - Main changes and options
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12:00 - 12:45 Lunch

12:45 - 14:00

KAPPA Workstation

- Demonstration of the KAPPA Workstation β
 - Saphir (PTA), Topaze (RTA), Rubis (NUM), Emeraude (PL)
 - Azurite, a new module for Formation Test analysis
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14:00 - 14:15 Coffee

14:15 - 15:45

On unconventional resources

- Challenges, modelling and current uncertainties.
- KAPPA Consortium on Unconventional Resources
- Citrine 1.10: A new tool for Field Performance Analysis and unconventional reserves
- Citrine 5: The Generation 5 replacement for v1.10.