



Society of Petroleum Engineers

SPE Training Course in conjunction with the
IADC / SPE Asia Pacific Drilling Technology Conference and Exhibition

DATA ANALYTICS FOR DRILLING OPTIMISATION

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Thursday, 30 August 2018 • Bangkok, Thailand

TENTATIVE DAILY ACTIVITIES AGENDA

| DAY 1 | TOPIC | VENUE |
|-----------|---|-----------------|
| 0800-0900 | Registration and Welcome Coffee and Tea | To be confirmed |
| 0900-1030 | <p>Session 1: Basic Concepts and Data Management Technologies This is an introductory session in which basic concepts related to 'Data' will be introduced to the course participants.</p> <ul style="list-style-type: none"> • Basic Concepts about Data Management and Business Intelligence • Data Acquisition, Storage and Retrieval • Data Quality Control and Analysis | To be confirmed |
| 1030-1045 | Coffee Break & Discussion | To be confirmed |
| 1045-1200 | <p>Session 2: Using Drilling Data This session starts with a brief explanation about the main concepts in statistics. Then, it will be presented all steps to perform drilling data analysis.</p> <ul style="list-style-type: none"> • Statistics: Distribution (Normal & Log Normal), P-values and Box Plot, and Monte Carlo Simulation • Planning with offset data and its benefits • The importance of daily operations follow up • Drilling optimization • How to implement knowledge sharing | To be confirmed |
| 1200-1330 | Networking Lunch | To be confirmed |
| 1330-1515 | <p>Session 3: Drilling Data Analytics This session introduces drilling data analytics.</p> <ul style="list-style-type: none"> • Time and Trouble Analysis • Invisible Lost Time analyses • Learning Curve; reporting to logistics • Advanced Drilling Analysis: Planning, Follow up, and Technical Limit • Benchmarking operations | To be confirmed |
| 1515-1530 | Coffee Break & Discussion | To be confirmed |
| 1530-1700 | <p>Session 4: Case Studies and Practical Exercises In this session presents some real business cases in order to demonstrate how drilling operations can be improved using the concepts explained previously in the course. In addition, the course participants will be able to perform some exercises related to Drilling Data Analytics.</p> <ul style="list-style-type: none"> • Real Case Studies • Implementing Data Analytics in the company • Drilling Data Analytics: Practical Exercises | To be confirmed |