

SPE Training Course in conjunction with SPE Asia Pacific Oil & Gas Conference and Exhibition (APOGCE) 2018

Data-Driven Reservoir Modeling

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Friday, 26 October 2018 • Rydges Fortitude Valley, Brisbane, Australia

TENTATIVE DAILY ACTIVITIES AGENDA

| Day 1 | Торіс | Venue |
|-------------|--|-----------------|
| 0800 - 0900 | Registration and Welcome Coffee and Tea | To be confirmed |
| 0900 – 1030 | Basics of artificial intelligence (AI) and machine learning Artificial Neural Networks (Deep Learning) Fuzzy Set Theory Evolutionary Computation Top-Down Modeling – TDM Components of a Top-Down Model Quality Control and Quality Assurance of the Data | To be confirmed |
| 1030 – 1045 | Coffee Break & Discussion | To be confirmed |
| 1045 – 1200 | The Spatio-Temporal Database Static and Dynamic Data Resolution in Time and Space Role of Offset Wells History Matching the Top-Down Model Sequential History Matching Random History Matching Mixed History Matching Validation of the Top-Down Model | To be confirmed |
| 1200 - 1330 | Networking Lunch | To be confirmed |
| 1330 – 1515 | Post-Modeling Analysis of the Top-Down Model Forecasting Oil Production, GOR and WC Choke Setting Optimization Water Injection Optimization Determination of Infill Locations Uncertainty Analysis | To be confirmed |
| 1515 – 1545 | Coffee Break & Discussion | To be confirmed |
| 1530 – 1700 | Examples and Case Studies Mature Onshore Field in Central America Mature Offshore Field in the North Sea Mature Onshore Field in the Middle East | To be confirmed |