THE BELOW WORKSHOPS WILL TAKE PLACE IN CSTJF EA BUILDING MEETING ROOMS - INDICATED IN RED ON THIS PAGE.

NO BROADCAST WILL BE MADE TO TOUR COUPOLE.

DUE TO MEETING ROOM CAPACITIES, THE WORKSHOP NUMBER OF ATTENDEES WILL BE LIMITED TO 12 FOR EACH SESSIONS.

- **FRACTURE CHARACTERIZATION AND GEOMECHANICAL MODELING**

  **9am - Meeting Room CSTJF: EA139**

  **Total Sponsor: Sandrine Vidal-Gilbert**

  The workshop aims to present a structural study of a reservoir in order to build a geomechanically based discrete fracture network, followed by a global geomechanical study using seismically derived attributes and applications for well integrity design and reservoir integrity analysis.

  **First Presenter:** Vincenzo De Gennaro - Advisor Geomechanics, Schlumberger

  Vincenzo has twenty five years’ experience in theoretical and applied geomechanics starting from his graduation as Civil and Geomechanical Engineer in 1992. He has been consultant engineer, PhD fellow then lecturer and finally associated professor in geomechanics at the Ecole Nationale des Ponts et Chaussees - ParisTech (Paris, France). His competencies include theoretical and numerical modelling (finite elements) and advanced laboratory testing of soils, rocks and discontinuities (fractures, faults) for geomechanical applications. He joined Schlumberger in 2009. He’s geomechanics advisor and area technical and business manager (Europe & Africa). His activities encompass onshore and offshore drilling integrity studies, coupled reservoir geomechanics analysis (including compaction/subsidence studies), geomechanics for unconventional (completion quality evaluation and hydraulic fracturing modelling), sanding.

  **Second Presenter:** Jean-Pierre Joonnekindt - Structural Geologist - Petrel fracture modeling and fault modeling product analyst, Schlumberger

  Jean-Pierre Joonnekindt joined IGEOS from 2008 to 2010 as a consultant geologist, and Schlumberger after the acquisition of the company. His interest focus on geological structures, 2D and 3D restoration, Geomechanics, fracture mechanics and the development of innovative method to improve hydrocarbon production in fractured reservoirs. He is now the product analyst for fracture modeling and fault modeling in Petrel.

- **STRUCTURAL MODELING – DISCUSSION PANEL**

  **2pm - Meeting Room CSTJF: EA139**

  **Total Sponsor: Pauline Durand-Riard**
The objective of this session is to facilitate an open and interactive discussion between SIS’s and TOTAL’s structural modeling experts. Having seen the presentation earlier on our current modeling workflow and our future development plans, it would be mutually beneficial to discuss the implications of these workflows on TOTAL’s projects. An open and collaborative discussion like this is constructive to the future direction of the software and next generation workflows. We hope that you are able to attend and contribute to this discussion.

**Presenter:** Arnaud Levannier – Petrel Structural Modeling Product Analyst, Schlumberger

*Arnaud joined Schlumberger in 2003 in the New Businesses division. Based in France, in the United Arab Emirates and then in the Netherlands, he worked on static and dynamic reservoir modeling and reservoir monitoring projects. He holds a MSc in Geological Engineering and a MSc in Geophysics. Currently, Arnaud is Petrel Structural Modeling Product Analyst for SIS, based in Montpellier Technology Center.*

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**INTERSECT ADVANCED WORKFLOW**

9am - Meeting Room CSTJF: EA335

**Total Sponsor:** Xavier Britsch

- Introduction to Workshop scope of work
- Recall IXF syntax and how to build an IX FM strategy
- FM GUI step by step with Exercises
  - Historical control
  - Prediction with various constraints
  - Enabling MILP technique and comparison with previous results
- Reservoir coupling

**Presenter:** Taoufik Manaï - Advisor Reservoir Engineer, Schlumberger

*Taoufik has worked more than 25 years extensively on reservoir and production engineering projects world-wide and contributed for many years to the design of Reservoir production/Injection using many types of approach and methods. He has an MS degree in mathematics, an MSC degree in Computational Fluid Dynamics and a PhD degree in petroleum engineering. Currently Taoufik is responsible for INTERSECT global deployment and advanced reservoir engineering technique.*

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**LITHOLOGY CLASSIFICATION WORKFLOW USING PETREL QUANTITATIVE INTERPRETATION**

2pm - Meeting Room CSTJF: EA237

**Total Sponsor:** Thierry Cadoret

Litho Analysis and prediction is a rock physics based lithology prediction workflow that integrates well logs, high end seismic inversion and geological modeling and interpretation and provide an estimate of
the most probable lithology and the uncertainty associated with the prediction. Litho Analysis integrates different measurements at different scale.

**Presenter:** Rabah Ould Braham - Senior Geophysicist, Schlumberger

*Rabah Ould Braham started in the oil industry in 2009 as a support geophysicist, he joined Schlumberger on 2012 as a consultant geophysicist working with various exploration and development projects, providing on-site support, delivering trainings and consultancy. Rabah is specialized in seismic interpretation and seismic reservoir characterization.***

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- **PETREL TRAJECTORY PLANNING**

**2pm - Meeting Room CSTJF: EA335**

**Total Sponsor:** To be provided soon

An interactive demo of the Trajectory Planning workflow in Petrel from well path design to anti-collision, mud weight window optimization and relief well design and simulation.

The Petrel Trajectory Planning workflow enables collaboration between geologists and drilling engineers to efficiently deliver a drillable trajectory with constraints and sensitivity analysis. Enhanced collaboration enables multidisciplinary experts to work more effectively, enabling them to design the right trajectory, run anti-collision analysis, and leverage 3D visualization tools and all their offset well information. Extending well path design to geomechanics workflows substantially changes the way well paths are built, allowing geologists and drilling engineers to select the right trajectory and mud weight. Finally the Petrel relief well planning & dynamic simulation module can be run by the drilling engineer for validating relief well plans right at the trajectory design stage.

https://www.software.slb.com/products/petrel/petrel-drilling/trajectory-planning

**First Presenter:** Adrian Newton - Senior Geoscientist and Marketing Manager for Drilling, Schlumberger

*Adrian Newton is a senior geoscientist with 20 years of technical and management experience in the oil and gas industry, specializing in the disciplines of drilling, geology and geomechanics. Adrian has significant experience working as a geomechanics consultant in Europe, Africa and the Middle East, in addition to liaising with Schlumberger geomechanics research and development, and software engineering teams. He also has additional expertise in well construction, drilling optimization, formation evaluation while drilling and geosteering operations. Adrian’s most recent roles at Schlumberger include managing the drilling Petrotechnical Engineering Centre in Aberdeen, Global Geomechanics Operations Manager and he is currently Marketing Manager for Drilling Software.***

**Second Presenter:** Shaan Dhumale - Geoscientist, Schlumberger

*Shaan holds an MSc in Petroleum Geoscience from the University of Manchester and a BSc in Exploration Geology from Cardiff University. He joined Schlumberger in 2011 and has since been working on a range of reservoir modelling projects, asset screenings and geomechanical studies affecting drilling performance. More recently, Shaan has been liaising with the Drilling Engineering Technology centre in Beijing,*
promoting and delivering to our customers an innovative well design technology which sits in the context of the geological model.

- **EXTENDING COLLABORATION AND KNOWLEDGE SHARING ACROSS THE WHOLE ASSET TEAM**

9am - Meeting Room CSTJF: EA237

**Total Sponsor: Eric Guyotte**

Working in an environment with faster access to data and information is key for the success of an asset team. The workflows enabled by Studio, Guru and Ocean will complement the domain environment in Total by empowering the asset team to have faster access to data in a shared environment and easy mechanisms to share data and knowledge between the asset team.

**First Presenter: Jean-Daniel Seguinard** - Studio/Guru/Ocean Engagement Manager Europe and Africa, Schlumberger

Career path - to be provided soon

**Second Presenter: Christophe Pinet** - Software Reservoir Manager, Schlumberger

Christophe Pinet joined Schlumberger 23 years ago. He worked as Software support for Geophysical application, mainly in European, African and Asian countries. Christophe explored studio in its early stage 4 years ago and since helped European clients to deploy Studio solution.

- **THE INTEGRATION VISION AND TRANSITION INTO THE CLOUD ➔ CANCELLED**