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**2021-22 Distinguished Lecturers,**

**Topics, Company Affiliations and Discipline**

**Alberto Casero**

*The Unexpected:*

*What We Do Know About Casing Deformation and How to Deal with It*

BP

**C**

**Amit Singh**

*Hydraulic Fracture Design Evolution:*

*Recent Advances in Proppant Transport Understanding*

Chevron

**C**

**Benny Poedjono**

*Good Practices in Well Control Intervention via*

*Relief Well Subsurface Interception*

Schlumberger (retired)

**D**

**Christopher Michael Jones**

*Are traditional laboratory reservoir fluid characterizations superior to*

*down hole in situ digital samples? The results may surprise you!*

Halliburton

**R**

**David F. Allen**

*Challenges and Solutions of Low Resistivity Pay – a brief history*

ConocoPhillips Company

**C**

**Dave Cramer**

*Integrating Multiple Diagnostic Methods to Determine*

*Limited Entry Treatment Effectiveness*

Schlumberger

**R**

**Euan Murdoch**

*It's Good to Talk: Downhole Communications in Well Operations*

Weatherford

**C**

**Geoff Salter**

*Making Better Upstream Acquisitions*

*The role of the Petroleum Engineer and why it’s different from the day job*

RISC Advisory

**R**

**Hideharu Yonebayashi**

*Asphaltene Flow Assurance Risks in Gas Injection –*

*How are pitfalls brought into the open?*

INPEX CORPORATION

**PO**

Ian Phillips

*What Does the Future Look Like for the Oil & Gas and Energy Sector –*

*The Energy Transition*

Pale Blue Dot Energy Limited

**HSES**

**Jessica Iriarte**

*Data Science Applications to Time-Series Data –*

*A Hydraulic Fracturing Case Study*

Well Data Labs

**DSEA**

**Jonathan Getliff**

*Opportunities to Reduce the Environmental Impact of Drilling Fluids*

Deep Well Services

**C**

**Jose Carlos Bruno**

*Human Factors – Improving human performance for*

*safety and operational excellence in the Oil and Gas industry*

Chevron

**D**

**Joe Frantz, Jr.**

*The Evolution of Hydraulic Completion Snubbing Units to*

*Mill Out Frac Plugs in Extended Reach Laterals*

Petrobras

**HSES**

**Junichi Sugiura**

*Understanding High-Frequency Drilling Dynamics using*

*Advanced Sensor* *Technology*

Sanvean Technologies

**D**

**Karim Zaki**

*Productivity Decline and Improved Production Forecasting*

Chevron

**R**

**Luis Quintero**

*To Increase Production, Listen to your Well*!

Halliburton

**PO**

**Mark Bentley**

*How To Design A Good Reservoir Model*

TRACS International & Heriot-Watt University

**R**

**Michael F. Rainbolt, P.E.**

*What You Need to Know About Fracture Driven Interactions*

Petroleum Training Institute Nigeria

**C**

**Michael Adegbite**

*Preferential Weld Corrosion and Integrity of Oil and Gas Facilities*

**PFC**

**Mohd Shafie Jumaat**

*Recovering Lost Productivity of Existing Perforations Through*

*Wellbore Implosion*

Schlumberger

**PO**

**Peter Cameron**

*Global LNG – An Industry in Disruptive Transformation*

Energy Markets Global Limited

**M**

**Philip Grossweiler**

*Impact of Climate Issues on Energy Industry Through 2050*

M&H Energy Services

**HSES**

**Ralf Schulze-Riegert**

*Field Performance Prediction Under Uncertainty – Thriving on Automation*

Schlumberger

**R**

**Ridvan Akkurt**

*Machine Learning: Is it Magic or Hard Work?*

Schlumberger

**R**

**Satyam Priyadarshy**

*Digital Disruption is Essential for the Oil and Gas Industry:*

*The Current State, Challenges and Success Roadmap*

Halliburton

**DSEA**

**Subash K. Kannan**

*Reduce Downtime and Improve Economics through Artificial Lift Life Cycle*

Occidental Petroleum Corporation

**PO**

**Subhash Ayirala**

*SmartWater Flooding Mechanisms and Water Chemistry Guidelines for Carbonates*

Saudi Aramco

**R**

**Tom Bradley**

*Application of Oil and Gas Subsurface Evaluation Methodology to Geothermal: The Value of Data*

Baker Hughes Company

**R**

**Walter Dobbs**

*Unified Well Spacing and Completion Design for Unconventionals –*

*A Physics and Data-Driven Approach*

International Reservoir Technologies

**R**

**Yuxing Ben**

*Machine Learning Applications for Optimizing Real-Time*

*Drilling and Hydraulic Fracturing*

Occidental Petroleum Corporation

**D**