Call for Abstracts

ICE 2022 committee invites industry professionals, academics and students to submit abstracts relating to the themes below.

**TECHNICAL PROGRAM THEMES**

**PETROLEUM SYSTEMS, STRATIGRAPHY AND SEDIMENTOLOGY**
- Petroleum System Modeling: Advances and Case Studies
- Source-to-Sink Methods: Past, Present and Future
- Stratigraphy and Basin Analysis in Exploration and Development
- Source Rocks: Concepts, Characterization and Modeling
- Sequence Stratigraphy: Controls on Reservoirs and Traps Distribution
- Stratigraphic Traps – New Concepts and Case Studies
- Advances in Carbonate Reservoir Characterization
- Advances in Deep-Water Reservoir Characterization, Case Histories and Analogues
- Sedimentology: from the Rock to the Reservoir Model

**STRUCTURAL GEOLOGY, TECTONICS AND GEOMECHANICS**
- Intracratonic and Passive Margins
- Contractional Belts and Adjacent Foreland Basins
- Salt and Shale Tectonics
- Fractures, Geomechanics and Compartmentalization

**OFFSHORE EXPLORATION AND PRODUCTION**
- Opportunities in Offshore Exploration and Production: Atlantic/Caribbean Basins and Frontier Plays
- Tectonics, Stratigraphy, Sedimentology and Depositional Processes: Impact on Offshore Exploration and Production
- Reservoir Characterization, Reservoir Modeling and Technology in Deep and Shallow Water Fields: How to Improve the Recovery Factor
- Defining Future Value for Offshore Projects: From Infrastructure to Low Carbon Solutions

**GEOPHYSICS**
- Reservoir Characterization (Integration of Seismic, Geologic and Borehole Data)
- Integrated Exploration of Subtle Traps
- Application of New Seismic Acquisition Trends
- Improvement of Seismic Data in Areas with Challenging Response

**UNCONVENTIONAL RESOURCES**
- Rock and Fluid Characterization of Unconventional Resources
- Case Studies in Frontier Unconventional Resources: Exploration and Early Delineation
- Case Studies in Producing Unconventional Resources: Advanced Delineation and Development
- Geoscience Challenges at a Factory Mode Phase: Contributing to Reduce Development Cost
- Application of New technologies in Unconventional Resources

**ENERGY, SOCIETY AND ENVIRONMENT**
- Sustainability, Decarbonization and the Circular Economy
- Carbon Capture, Utilization and Storage: Hubs, EOR and Subsurface Characterization
- Hydrogen and the Subsurface: Storage Challenges and In-Situ Generation
- Geothermal Energy: New Technologies and Colder Bottom Hole Temperatures

**CRITICAL MINERALS FOR ENERGY DIVERSIFICATION**
- Regional Geology and Critical Minerals Occurrence
- Lithium Exploration and Resource Estimation
- Reservoir Characterization and Static and Dynamic Models
- Energy Resources and Critical Minerals in Latin America: Environmental Challenges and Forecasts

**GEODATA SCIENCE AND ARTIFICIAL INTELLIGENCE**
- Application of ML and AI in Well Logs
- Uses of ML and AI in Seismic Interpretation and Fault picking
- Forecast and Prediction of Hydrocarbon (Oil and/or Gas) Production Using ML and AI
- Application of Reinforce Learning and Advanced ML/AI Algorithms in the O&G Industry

Submissions accepted for the program determine the topics included in ICE conference technical sessions.