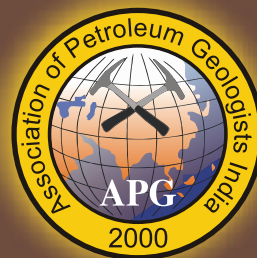


PRE – CONFERENCE CONTINUING EDUCATION COURSES



ANNOUNCEMENT & CALL FOR PARTICIPATION

4th September, 2018

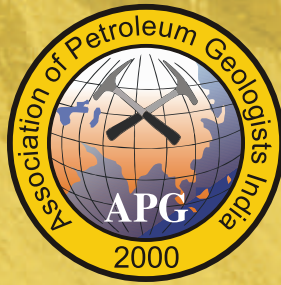
Theme : Transforming Energy Spectrum : Geosciences at the Fulcrum



 **GEO
India 2018**

**4th South Asian Geosciences
Conference and Exhibition**

6th to 8th September, 2018



PREFACE

The search for oil and gas is facing new challenges with the spiralling of energy demand and high volatility in prices. With an estimated consumption of 99 million barrels per day globally, the hydrocarbon industry must look forward to innovations and technology to meet the demand. Knowledge Management and Sharing play a pivotal role in opening up new frontiers in E&P which is primarily a knowledge-driven industry.

As part of our Continuing Education efforts, GEO India 2018 is happy to organise 15 Pre Conference Short courses covering various aspects of Geosciences. The proposed courses include a wide spectrum of topics like reservoir evaluation, seals and pays, advances in seismic reservoir characterization, geo-mechanics, enhanced oil recovery, artificial intelligence and data analytics in E&P industry, to name a few. This time a course on global petroleum economics has also been included. It is noteworthy that the international and national faculties for these programs are experts in their fields.

As a prelude to Geo India 2018 “**Transforming Energy Spectrum: Geosciences at the Fulcrum**” Conference, these short courses are our endeavour to expose the explorationists to latest trends, innovations and technology prevalent in the industry.

I am sure that this platform will facilitate in spreading awareness of the latest advances in the field of hydrocarbon exploration through Industry-Academia interface.

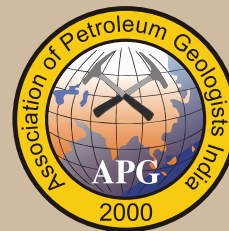
On behalf of the organizing committee of GEO-India 2018, I solicit the participation of both professionals and academicians to avail the opportunity and get enriched.

Wishing a best of learning experience,

P Chandrasekaran
Coordinator, Geo India 2018

Pre-Conference Continuing Education Courses at GEO India 2018

Course No.	Course Title	Faculty	Duration & Dates	Suggested Course Venue	Course Fee per participants	
					Indian	NRI & Foreigners/ian
PCCE- 01	Reservoir Petro physics and Geo mechanics	Mr. Christophe Darous , Schlumberger	1 Day – 04.09.2018	HOLIDAY INN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 02	Geological Process Modelling / Stratigraphic Forward Modelling	Mr. Sergio Courtade, Schlumberger	1 Day – 04.09.2018	HOLIDAY INN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 03	Evaluation of Fractured Reservoirs	Dr. Laurent Souche, Schlumberger	1 Day – 04.09.2018	HOLIDAY INN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 04	Paleo-Deposition, Fault and Fracture Characterization	Mr. Jimmy Ting, Region Manager, CGG Geosoftware	1 Day – 04.09.2018	PRIDE PLAZA New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 05	Application of Geostatistical Inversion for detailed reservoir characterization	Mr. Ranjit Shaw, Regional Technical Advisor, CGG Geosoftware	1 Day – 04.09.2018	PRIDE PLAZA New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 06	Finding Hydrocarbon – Kingdom of Interpretation	Mr. Jenga Ngalawa, Associate Director I.H.S. Markit	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 07	Field Development Concept – Quester - Ultimate Tool	Mr. Sanjay Sinha, Associate Director I.H.S. Markit	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 08	Principles of Rock Physics and Geo-mechanics in Conventional and Unconventional Hydrocarbon Exploration	Prof. Rima Chatterjee, IIIT, ISM Dhanbad	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 09	Regional Basin Analysis and facies modelling.	Mr. Krishnan Srinivasan, OVAI	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 10	Global Petroleum Economics	Mr. Partha Ray, IIM Kolkata	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 11	Enhanced Oil Recovery: What You Need To Know	Mr. Siddharth Sur, ED-HOI IRS (Retd.)	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 12	Cloud Enabled Data Analytics & Artificial Intelligence	Mr. Krithiwas NeelaKantan -Director & Mr. Amit Mugral – Solution Architect, Cloud Infra & Services, NetApp	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
	Introduction to GPU deep learning (DL)	Mr. Mukundhan Srinivasan – Solution Architect, NVIDIA India				
	Big Data Analytics Infra	Mr. Ravi Khattar- Principal Technologist - CISCO				
	Analytics in Upstream	Naveen Sikka – Principal Technologist – SAS Analytics				
PCCE- 13	Deriving value in Integrated operations through Data Analytics	Mr. Sumit Sengupta & Mr. Piyush Pandey Geologix	1 Day – 04.09.2018	LEMON TREE New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
PCCE- 14	A new technique for lithology and fluid content prediction - Democratic Neural Network Association	Mr. Martin Crookes (Malaysia), Emerson Paradigm	1 Day – 04.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST
Post-Conference Continuing Education Courses at GEO India 2018						
PCCE- 15	Oil & Gas Industry Transformation with Big Data and Data Science	Mr. Satyam Priyadarshy, Halliburton	1 Day – 09.09.2018	PULLMAN New Delhi/AEROCITY	INR 12,000.00 + 18% GST	USD 450 + 18% GST



PCCE-01 : RESERVOIR PETROPHYSICS AND GEOMECHANICS

Faculty : Mr. Christophe Darous, Schlumberger

Duration : 1 Day (September, 4th, 2018)

Venue : HOLIDAY INN, Aerocity, Asset No 12, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST

Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Introduction
 - The important aspects of a Reservoir Petrophysicist: Competencies, Data organization and management, Methodologies, Traceability.
- The technical skills
 - Core Analysis quality control and corrections
 - Log data preparation and analysis
 - Rock typing and permeability
 - Saturation height modeling
- Integration and validation of the petrophysical properties of the reservoirs
 - In place calculation and uncertainties, Permeability estimation against tests results

Faculty's Profile:

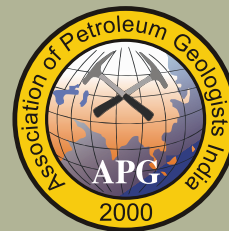


Christophe Darous is a Reservoir Petrophysicist working for Schlumberger. He has expertise in characterization of siliciclastics, carbonates and unconventional reservoirs. He graduated in mechanical engineering from the Ecole Nationale d'Ingénieur de Tarbes in France in 1994. He started his carrier in 1995 for Elf Aquitaine implementing Nuclear Magnetic Resonance applications. He joined Schlumberger in December 1996 as an open and cased hole log analyst in West Africa. In 1999, he moved to Latin America, where he has worked in reservoir characterization and production optimization for various projects in Venezuela, Colombia and Mexico. In 2009, he was transferred as Formation Evaluation unit

leader for the North Kuwait Jurassic Project of KOC, focusing on characterization, completion and stimulation of tight carbonates and non-conventional reservoirs. Since 2014, he is the Principal Petrophysicist of the Consulting Reservoir Studies team located in Abu-Dhabi leading reservoir petrophysics in projects for the eastern hemisphere.

Target Audience:

Petrophysicist, geologist, geophysicist, reservoir engineer and petroleum engineer involved in petrophysical evaluation and reservoir modelling



PCCE-02 : GEOLOGICAL PROCESS MODELLING / STRATIGRAPHIC FORWARD MODELLING

Faculty : Mr. Sergio Courtade, Schlumberger

Duration : 1 Day (September, 4th, 2018)

Venue : HOLIDAY INN, Aerocity, Asset No 12, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Forward Stratigraphic Modeling in GPM Concepts and Guiding Principles
- Main Inputs for Forward Stratigraphic Modeling
- Main Processes for Forward Stratigraphic Modeling in GPM, Diffusion and Sediment Accumulation
- Main Processes for Forward Stratigraphic Modeling in GPM, Steady and Unsteady Flow
- Main Processes for Forward Stratigraphic Modeling in GPM, Carbonate Growth and Diagenesis
- Exploration and Development Workflows Improved with Forward Stratigraphic Modeling

Faculty's Profile:

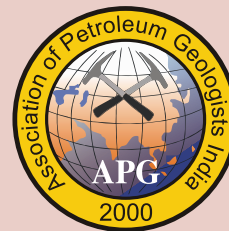


Sergio Courtade is a Product Champion Geological Process Modeling working for Schlumberger. He has expertise in exploration geology & geophysics. He graduated in Exploration, Geophysics Universidad Nacional de Cuyo, Argentina, in 1990. He started his carrier in 1990 for YPF, Argentina as Exploration Geologist. He joined Schlumberger in 2001 as Field Engineer in Mexico. In 2003, he became the Field Operations Manager Mexico Marine Region, where he managed field operations for various projects in Venezuela, Colombia and Mexico. In 2007, he was transferred as Petrel Commercialization Manager to Stavanger Technology Center focusing on commercialization activities for Petrel E&P Software. In 2013, he was assigned as

SIS BP Training Program Manager overseeing all the G&G and Reservoir trainings for BP personnel. In 2014, he became the Principal Workflow Consultant supporting the Schlumberger technical community at large for G&G workflows. Since 2017, he is Geologic Process Modeling Champion leading the development of product with in Petrel E&P Software suite.

Target Audience:

Geologist, geophysicist and petroleum engineer involved in exploration and development geological modelling



PCCE- 03 : EVALUATION OF FRACTURED RESERVOIRS

Faculty : Dr. Laurent Souche, Schlumberger

Duration : 1 Day (September, 4th, 2018)

Venue : HOLIDAY INN, Aerocity, Asset No 12, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Natural fractures: origin, outcrop observations and subsurface data
- Static modeling of natural fractures
- Flow simulation of naturally fractured reservoirs
- A case study: Fracture characterization for horizontal well placement
- Hands on example: Step-by-step fracture modeling workflow
- Summary discussions

Faculty's Profile:



Laurent Souche holds a Master's degree in Geology and a PhD in numerical geosciences both from Nancy's School of Geology, France. During his PhD he explored new techniques for modeling the impact of faults on fluid flow. Joining Schlumberger in 2005, he developed a Petrel module for modeling fractured reservoirs. As a fracture modeler in Abu Dhabi, he then spent two years characterizing several Middle Eastern carbonate reservoirs. Going back to software development responsibilities in 2010, he defined the roadmap for renewing the modelling core of Petrel and designed the integration of the Volume-based Modeling, Depospace and Depogrid technologies in Petrel. Since 2014 he has been working in Kuala-Lumpur, Malaysia as a consulting geologist specializing in fracture modeling and complex geomodeling studies.

Target Audience:

Geologists, geophysicist, petrophysicist, reservoir engineer and petroleum engineer involved in exploration and development reservoir modelling



PCCE- 04 : PALEO-DEPOSITION, FAULT AND FRACTURE CHARACTERISATION

Faculty : Mr. Jimmy Ting, Region Manager, CGG Geosoftware

Duration : 1 Day (September, 4th, 2018)

Venue : PRIDE PLAZA, Aerocity, Asset No 5A, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Seismic attributes and their development history
- Typical workflow of fault and fracture Characterization
- Typical workflow of paleo-deposition
- Paleo-deposition, fault and fracture characterization case studies

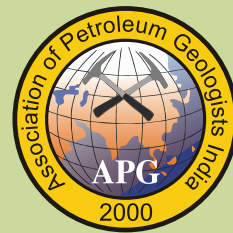
Faculty's Profile:



Jimmy Ting is the Region Manager for CGG GeoSoftware Far East based in Kuala Lumpur. He obtained a B.Sc in Applied Geology from the University of Malaya in 1991 with special interest in study of carbonate rocks. His main area of expertise is in quantitative seismic reservoir characterization. Key designations held by Jimmy over the 26 years in the industry include QI Geophysicist in Sarawak Shell, Principal Project Geoscientist in Jason, Global Training & Technical Support Manager in Jason, and Global Product Strategy Manager in CGG GeoSoftware Houston.

Target Audience:

Geologists and geophysicist engaged in hydrocarbon exploration



PCCE-05 : APPLICATION OF GEOSTATISTICAL INVERSION FOR DETAILED RESERVOIR CHARACTERIZATION

Faculty : Mr. Ranjit Shaw, Regional Technical Advisor, CGG Geosoftware

Duration : 1 Day (September, 4th, 2018)

Venue : PRIDE PLAZA, Aerocity, Asset No 5A GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Geostatistical Inversion- the What, Where and Why?
- How to Perform Geostatistical Inversion
- Common Applications of Geostatistical Inversion in Reservoir Characterization
- Predicting Reservoir Behavior using Geostatistical Inversion-Case Studies

Faculty's Profile:

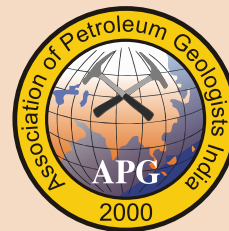


Ranjit Shaw received his M.Sc.Tech. and Ph.D. degrees in Applied Geophysics from Indian School of Mines, Dhanbad in the years 1987 and 1990 respectively. He served as a faculty member in the Department of Applied Geophysics of the same university for nearly 16 years. His major research interest involved Development of Interpretation Techniques and Inverse Theory. During 2002-2003, he carried out post doctoral research at Institute for Geophysics, University of Texas at Austin in Theory of Seismic Wave Propagation in Anisotropic Media. He is one of the pioneer researchers who used the concept of Swarm Intelligence to optimise problems of exploration geophysics. He moved to industry in 2007 to join Fugro-Jason and played

an active role in promoting Jason's seismic reservoir characterization technology in India. He has also led the seismic reservoir characterization team of Data and Consultancy Services of Schlumberger based in Mumbai. Presently, Ranjit holds the position of Regional Technical Manager, Far East region in the GeoSoftware division of CGG. He is associate member of SEG and life member of SPG, AEG and IGU.

Target Audience:

Geo-scientists involved in hydrocarbon exploration and/or development



PCCE- 06 : FINDING HYDROCARBON: KINGDOM OF INTERPRETATION

Faculty : Mr. Jenga Ngalawa, Associate Director, IHS Markit

Duration : 1 Day (September, 4th, 2018)

Venue : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST

Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Browsing the data – culture data, well data, and seismic data
- Creating Geological Sections
- Interpret formation tops
- Generating and editing Synthetics – link well data to seismic events
- Fault Interpretation
- 2D Horizon Interpretation – single seismic line
- Mapping
- Seismic attributes
- 3D Horizon Interpretation – seismic volume
- Zones and Zone Attributes
- Depth Conversion (using Dynamic Depth Conversion)
- Well planning
- Drilling horizontal wells – Geosteering

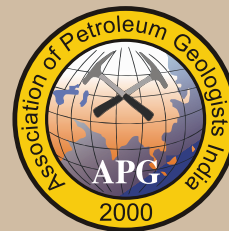
Faculty's Profile:



Jenga Ngalawa earned a Bachelor of Science in Geology from the University of Dar es Salaam in Tanzania, and a Master of Science and Ph.D. in Geology from Vrije Universiteit Brussel (VUB) in Brussels, Belgium. Jenga's previous industry experience includes the following: Austin GeoModeling Inc., 2007-2010, Senior Geoscientist; Anadarko Petroleum, 2006-2007, Senior Geoscientist; Kerr-McGee Oil & Gas, 2004-2006, Senior Geoscientist; Schlumberger, 2000-2004, Geoscientist. Jenga has attended a number of Oil & Gas exploration and production industry training, including Basin Analysis; Seismic Interpretation; Geological Interpretation; Exploration Economics, Risk Analysis and Prospect Evaluation; Sequence Stratigraphy; and Principles and Applications of Salt Tectonics. Jenga has been a member of the IHS Kingdom software training and workflows solutions team located in Houston, Texas since 2010. During this time, Jenga has been successful in becoming an expert in all areas of the Kingdom suite of products. Jenga is also a certified trainer in Petra software.

Target Audience:

Geologist and geophysicist who are involved in interpretation and/or development



PCCE- 07 : Field Development Concepts- Questor- The Ultimate Tool

Faculty : Mr. Sanjay Sinha, Associate Director APAC, IHS Markit

Duration : 1 Day (September, 4th, 2018)

Venue : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST

Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Estimating concepts and methods practiced in process industry
- Develop an understanding of project costs
- Benefits of IHSM Que\$tor software for upstream oil and gas projects
- Pick up best practices for cost model creation
- Increase your productivity with new skills and strategies
- Learn to optimize concepts for new development
- Build an appreciation of a range of concept options
- Improve your knowledge of the software features
- Maximize your software's functionality

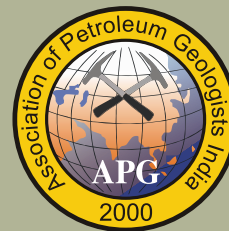
Faculty's Profile:



Sanjay Sinha is B.E (Mech. Engineering) having 27 years in engineering, downstream and upstream. In his 4 years with IHS (Energy Technical), he was involved in development and support of QUE\$TOR in form of Product development, Field development training, downstream estimating training and client support. He also works for the Energy Product Que\$tor (Onshore, Offshore and LNG regas). He is currently in a client supporting role in APAC region. His previous work experience includes estimating for grass-root and brown field refinery projects with EIL, downstream estimating with ExxonMobil Research & Engineering and Upstream engineering and estimating with Cairn Energy.

Target Audience:

Geo-scientists involved in hydrocarbon exploration and/or development



PCCE-08 : PRINCIPLES OF ROCK PHYSICS AND GEOMECHANICS IN CONVENTIONAL AND UNCONVENTIONAL HYDROCARBON EXPLORATION

Faculty : Prof. Rima Chatterjee, Dept. of Applied Geophysics, IIT(ISM), Dhanbad

Duration : 1 Day (September, 4th, 2018)

Venue : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Understanding Rock Physics
- Rock physics models
- Rock physics and Petrophysics
- Fluid replacement modeling
- Introduction to anisotropic medium
- Stress and pore pressure basics
- Mechanical rock properties determination
- Borehole stresses and wellbore failure
- A Brief Overview of Rock Physics and Geomechanical Modeling: Conventional vs. Unconventional Applications

Faculty's Profile:



Prof. Rima Chatterjee received the Society of Exploration Geophysicists (SEG) Honorary Lecture Award for South & East Asia during January-June, 2018. She is a gold medalist in her master's degree in Applied Geophysics from Indian Institute of Technology (Indian School of Mines), Dhanbad, India. Born in India, Chatterjee completed her bachelor's degree with honours in Physics. She received her PhD from IIT(ISM), Dhanbad working on "Well Log Analysis and Stress Studies in Hydrocarbon Exploration" in 2003. Prof. Chatterjee is a major contributor in the World Stress Map project from India and was invited in the 3rd World Stress Map Conference at Potsdam, Germany. She has done exemplary work on stress studies in Mahanadi, K-G, Cauvery and Upper Assam basins. She has worked on CBM reservoir characterization in Jharia, Raniganj, South Karanpura and Bokaro coalfields. She has published good numbers of research papers in EPSL, GRL, Marine Geology and AAPG Bulletin including other reputed journals. As a faculty advisor of SEG Student Section, ISM, she has organized many workshops as well as Student Interaction Programme under the banner of SEG Student Section, IIT(ISM), Dhanbad.

Target Audience:

Petrophysicist, geologist, geophysicist and petroleum engineer involved in interpretation, petrophysical evaluation and reservoir modeling



PCCE- 09 : REGIONAL BASIN ANALYSIS AND FACIES MODELLING

Faculty : Mr. Krishnan Srinivasan, OVAI, Houston, USA

Duration : 1 Day (September, 4th, 2018)

Venue : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST

Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Fundamentals of Sequence Stratigraphy
- Seismic and Well Facies Mapping
- Facies Characterization and Facies Analysis
- Case History Study and Class Exercises

Faculty's Profile:



Dr. Srinivasan Krishnan is a business focused exploration & development geologist, with a 22 year background in initiating and completing critical geological studies to support onshore/offshore oil and gas exploration and development worldwide. He obtained his PhD in Geology from the University of Tennessee, Knoxville and a master's degree in Geology from the Indian Institute of Technology, Kharagpur. He also worked as a Post-Doctoral Research Associate followed by a short stint in academia. Dr. Srinivasan started his career with ExxonMobil where he worked as an Exploration Geologist involved in exploration and development scale projects spread over a variety of geologic settings around the world. He is a proven oil and gas finder with extensive experience with 2D & 3D seismic in extension, compressional, and foreland settings worldwide. This was followed by a senior geoscientist role at BHP Billiton and as a Principal Geologist with ConocoPhillips managing complex assignments executing technical evaluations of frontier basins, preparing and executing field development plan in mature basins. Skilled carbonate and clastic sequence stratigrapher with several publications in peer reviewed journals. Extensive experience with facies and depositional environments interpretation through an integration of seismic, wells, core, and outcrop data. Dr. Srinivasan is currently employed as a Team Lead ONGC Videsh Atlantic Inc., Center for Excellence, Houston, Texas. In this capacity he manages an integrated team consisting of geologists, geophysicists, petro physicist, and a reservoir engineer.

Target Audience:

Geoscientist from exploration background



PCCE- 10 : GLOBAL PETROLEUM ECONOMICS

Faculty : Mr. Partha Ray, IIM Kolkata**Duration** : 1 Day (September, 4th, 2018)**Venue** : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India**Course Fee** : Indian Delegates: Rs. 12,000.00 + 18% GSTForeign Delegates: US\$ 450 + 18% GST

Course Content:

- Session 1: Fundamentals of Energy Economics with special reference to Oil
- Session 2: Macroeconomics of Oil Exporting Countries
- Session 3: Oil Prices: Past Trends and Shape of things to Come
- Session 4: Sustainability and Future of Oil

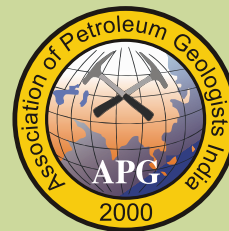
Faculty's Profile:



Dr. Partha Ray is currently Professor of Economics at the Indian Institute of Management Calcutta and teaches Macroeconomics, Global Political Economy and Energy Economics. He has been involved with a number of management development programs of companies in the oil and gas sector as well as in consulting projects of various government and private sector agencies, such as, Seventh Central Pay Commission, NITI Aayog, or World Gold Council. During 2007 – 2011 he was an Adviser to Executive Director (India) at the International Monetary Fund, Washington D.C and had been advising on various policy matters relating to global financial architecture and the global financial crisis and attended to issues relating to countries in the region of Middle East and North Africa. Earlier he was working in the specialist cadre of Economists in Reserve Bank of India's Economic Research Department for nearly 16 years in various capacities; his last position was Director, Financial Markets Division. Educated in Kolkata, Mumbai and Oxford, he has published extensively on macroeconomics, monetary policy and global financial crisis.

Target Audience:

Especially for geologist, geophysicist involved in techno-economic evaluation, BD-JV and marketing.



PCCE- 11 : ENHANCED OIL RECOVERY: WHAT YOU NEED TO KNOW

Faculty : Mr. Siddharth Sur, ED-HOI IRS (Retd.)

Duration : 1 Day (September, 4th, 2018)

Venue : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST

Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Comprehensive review of EOR status and opportunities to increase final recovery factors in reservoirs ranging from heavy oil to volatile oil
- EOR status and opportunities organized by reservoir lithology (sandstone and carbonates formations) and offshore and onshore fields
- Risk and rewards of EOR methods including growing trends in recent years such as CO₂ injection, high pressure air injection (HPAI) and chemical flooding
- Managing the EOR projects.

Faculty's Profile:

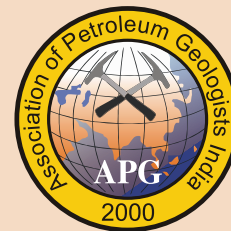


Sidhartha Sur is Advisor to ONGC & its group of companies. He superannuated as Executive Director – Head of Institute of Reservoir Studies, ONGC, Ahmedabad, India. He obtained Bachelor of Technology in Petroleum Engineering from Indian School of Mines, India in 1980. He has thirty seven years of experience in the Development of Heavy & Light oil fields in India through conventional & EOR means. He was instrumental in placing ONGC and India in particular on the world map of EOR through successful application of In Situ Combustion process. During 2010-12, he served as CTO and CEO of Mansarovar Energy Colombia Ltd, a JV of OVL and Sinopec involved in heavy oil exploitation through Steam injection. He served as SPE

Distinguished Lecturer for the year 2009-10. In 2012, he was awarded with SPE Latin America & Caribbean Regional award on Completion Optimisation & Technology. He was awarded in 2016 with "Distinguished Alumnus Award" of IIT(ISM)" Dhanbad, India. In 2017, he was awarded with SPE Distinguished Membership award for his instrumental leadership in the development of heavy oil resources in India and Colombia.

Target Audience:

Geoscientist, reservoir engineers, production engineers working in development projects.



PCCE- 12 : Artificial Intelligence & Analysis in E&P

Faculty	Cloud Enabled Data Analytics & Artificial Intelligence	Mr. Amit Mugrai – Solution Architect (Cloud Infra & Services), NetApp Mr. Krithiwas NeelaKantan- Director (Cloud Infra & Services) , NetApp
	Introduction to GPU deep learning (DL)	Mr. Mukundhan Srinivasan – Solution Architect, NVIDIA India
	Big Data Analytics Infra Analytics in Upstream	Mr. Ravi Khattar- Principal Technologist -CISCO Naveen Sikka – Principal Technologist -SAS Analytics
Duration	: 1 Day (September, 4th, 2018)	
Venue	: PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India	
Course Fee	: Indian Delegates: Rs. 12,000.00 + 18% GST Foreign Delegates: US\$ 450 + 18% GST	

Course Content:

➤ **Topic** - Cloud Enabled Data Analytics & Artificial Intelligence

Outline

- Advent of Hybrid Cloud to deliver Analytics
- Relevance of Artificial Intelligence in today's technology
- Edge to Core to Cloud by NetApp

Topic – Big Data Analytics Infra

Outline

- Converged Infra for Big Data Analytics
- Change in the world of Data & Networking

➤ **Topic**- Introduction to GPU deep learning (DL)

Outline

- Evidences and examples – Why GPU?
- Introduction to GPU architectures and platforms
- Comprehensive catalog of GPU-optimized software tools for deep learning
- Use cases and application of DL in E&P

Topic – Analytics in Upstream

Outline

- New age analytics in Upstream
- Case Studies

Faculty's Profile:



Amit Mugrai is based out of Delhi and working as Solution Architect for NetApp Cloud Infrastructure & Data Services business unit. A seasoned cloud architect with more than 13 years of rich industry experience in pre-sales, consulting, solution design, and implementation of hybrid IT solutions and services for healthcare, telecommunications, manufacturing, and retail verticals. He has worked on industry leading public cloud, software defined datacenter, cybersecurity, disaster recovery, monitoring, and management platforms. He has worked with IBM, UST Global, CSC, and Colt in the past.



Krithiwas (Krithi) Neelakantan heads the Cloud Infrastructure and Cloud Data Services Business Unit for NetApp across India and SAARC. Krithi is an avid technology enthusiast with over 22 years experience working in companies like Oracle and Sun Microsystems. Krithi has held a variety of leadership roles – as Government & Healthcare Industry head and High Performance Computing head at Sun Microsystems and Pathways & GTM leader at NetApp. In his current role, Krithi owns the strategy and business of the growing Cloud business – both on premises and hybrid. He believes that enterprises will employ data sciences effectively to not only remain competitive but propel themselves to expand into businesses that will increase customer & market attention. AI & Deep Learning is at the center stage of many companies core strategy, as a result.



Mukundhan Srinivasan is a Deep Learning Solutions Architect at NVIDIA India. He works with customers from enterprises, R&D labs, service corporations and academia in designing and applying the science of machine learning. His present focus is on making models that are used by data scientists more performant and in doing so is inclined towards research based approaches. His present interests include applying GANs and CNN based querying for video streams, Deep Reinforcement learning and application of DL in healthcare. He has several published papers in machine learning domain and has over 50+ citations. Prior to NVIDIA, he was a cofounder of a startup that built developer tools for computer vision and NLU applications. Mukundhan began his career as a Research Assistant at the Indian Institute of Science, Bangalore.



Ravi Khattar has over 29 years of work experience in the IT Industry in companies Cisco, IBM, Compaq and others. He currently works for Cisco India as Customer Solution Architect for, Multi-Cloud, Big Data and Data Center Architecture for India & Saarc region. He engages with customers to position Data Center trends in Compute, Storage, Virtualization, Big Data and Multi Cloud across multiple applications. He has cross industry experience and has worked with multiple customers to help them align their business objectives with IT Services & infrastructure solutions. Ravi has keen interests in Data Center technology shifts and has co-authored multiple IBM Redbooks on Data and Storage technologies.



Naveen Sikka has around 20 years of experience in Oil & Gas Sector domain with focus on use of technology for supply chain, Manufacturing Operations, Business development, Marketing & Sales, Overall Program and Project Management & Execution. He has spent years in India's largest gas transmission and distribution company managing gas supply network for delivering natural gas to end user industries. He has successfully managed transformational IT projects in Chemical & Petroleum, Natural Gas sectors covering entire value chain from production till retail of finished products. He has delivered many meaningful engagements around Analytics, MES, Business Consulting, ERP, etc. He has spoken widely in different industry forums on varied topics on MES, IOT, Analytics - Cognitive, Data Mining, etc.

Target Audience:

Geologists, Geophysicists, Geomodellers, Programmers, Decision Makers and Operational Managers



PCCE-13 : DERIVING VALUE IN INTEGRATED OPERATIONS THROUGH DATA ANALYTICS

Faculty : Mr. Sumit Sengupta & Mr. Piyush Pandey, Geologix

Duration : 1 Day (September, 4th, 2018)

Venue : LEMON TREE, Aerocity, Asset No 06, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Course Content:

- Data Analytics Overview
- Examples of how analytics can be used to drive decisions in an enterprise
- Digital themes in Oil and Gas
 - increasing drilling and production performance
 - automated management of systems and processes
 - IoT and the connected enterprise
- Building blocks for analytics
 - quality data inventory
 - digitalization of legacy documents
 - dashboards
- Are you ready for AI?
 - the right mindset
 - people and culture
 - organizational “buy-in”

Faculty's Profile:



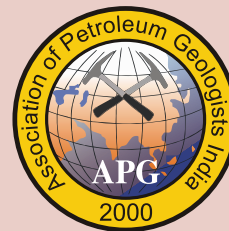
Samit Sengupta has over 35 years' experience in the upstream sector of oil and gas industry. After graduating from the Indian Institute of Technology, Bombay with a degree in Civil Engineering, Samit worked in the subsurface data acquisition and analysis industry in Australasia, US, Africa and Europe with Schlumberger, Gearhart and Halliburton, prior to creating Geologix, an international company providing software and services to improve drilling and production performance and to accelerate digital transformation in an enterprise.



Piyush Pandey has more than 25 years of experience in digital transformation and engineering Information Solutions for Energy and Utility companies across the globe. He worked for top three Oil Field service companies and top four Oil Majors. He worked for more than 10 years as Chief Executive, helped companies accelerating in energy sector. He has proven track record of two successful merger & acquisition. He knows how to create the value of company and unlock the company worth to the interest of investors.

Target Audience:

Geoscientists, engineers and managers as well as technical computing specialists involved with supporting drilling and production operations



PCCE-14 : A new technique for lithology and fluid content prediction - Democratic Neural Network Association

Faculty : Mr. Martin Crookes, Emerson | Paradigm, Malaysia

Duration : 1 Day (September, 4th, 2018)

Venue : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India

Course Fee : Indian Delegates: Rs. 12,000.00 + 18% GST
Foreign Delegates: US\$ 450 + 18% GST

Overview:

A new technique for lithology and fluid content prediction from prestack data, using a machine learning technique called “Democratic Neural Network Association”

Course Content:

The course includes an overview of the workflow, detailing the steps required to prepare and condition the data, the type of information suitable and its use for subsequent modeling workflows. Utilizes pre-stack data and rock-type models derived on wells and outputs volumes of most likely scenarios of rock-type. A number of case study applications are given, including an application on a complex carbonate reservoir.

Faculty's Profile:



Martin Crookes is Emerson's Workflow & Technology Advisor for the Middle East, India and Asia Pacific. He holds a Master of Engineering degree from Queens' College, Cambridge and has 20 years upstream oil and gas experience in a variety of acquisition, analysis and technical management roles.

Target Audience:

Geophysicists, Geomodellers and Geologists and Petrophysicists



PCCE- 15 : BIG DATA ANALYTICS

Faculty : Dr. Satyam Priyadarshy, Halliburton**Duration** : 1 Day (September, 9th, 2018) (Post Conference)**Venue** : PULLMAN, Aerocity, Asset No 02, GMR Hospitality District, New Delhi - 110037, India**Course Fee** : Indian Delegates: Rs. 12,000.00 + 18% GSTForeign Delegates: US\$ 450 + 18% GST

Course Content:

- Big Data and Data Science – The hype, reality and business value
- How to create value from Big Data for our industry
- The role of physics, engineering, simulations and data-driven
- What it takes build a data science practice
- Impact of Big Data and Data Science of Exploration aspects of Oil well life cycle
- The role of new computing paradigm for reducing the time to go from Planet to pore.
- Big Data Technologies and Data Science Platforms

Faculty's Profile:

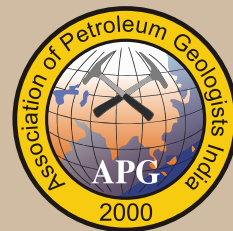


Dr. Satyam Priyadarshy is a pioneer in the fields of data science, big data, analytics, artificial intelligence, and emerging technologies. Dr. Priyadarshy is the first Chief Data Scientist of Oil and Gas Industry. In September 2016, Smart Industry (www.smartindustry.com) named Dr. Priyadarshy as one of key innovators on the leading edge of digital transformation. He is a globally recognized leader with a breadth of scientific knowledge, in-depth technology experience, and extensive business acumen. He holds various academic positions at Oklahoma State University, George Mason University, and Virginia Tech. He has appeared as keynote speaker at several international conferences and has written, co-authored,

presented and published over 35+ research papers in peer-reviewed journals and magazines. He has held various leadership positions in AOL, Network Solutions, Acxiom Corporation before joining Halliburton. He has co-founded few startups in DC and Silicon Valley and is an advisory board member of few startups in Healthcare, Retail, Finance and Analytics domain. His work or profile has appeared in many magazines including Chemical and Engineering News, The Scientist, Silicon India, Oil Review Middle East, Petroleum Review, RigZone, among others. Dr. Priyadarshy obtained his Ph.D. from IIT Bombay and MBA from The Pamplin School of Business, Virginia Tech.

Target Audience:

Geologists, Geophysicists, Geomodellers, Programmers, Decision Makers and Operational Managers



Short Training Course Individual Registration Form

Full Name: _____

Specialization: _____

Organization: _____

Full Mailing Address: _____

Telephone: Office: _____ Resi: _____

Fax: _____ Mobile: _____ E-mail: _____

Course to be attended

PCCE-01 PCCE-02 PCCE-03 PCCE-04

PCCE-05 PCCE-06 PCCE-07 PCCE-08

PCCE-09 PCCE-10 PCCE-11 PCCE-12

PCCE-13 PCCE-14 PCCE-15

Cheque/draft no. : _____

Bank : _____ Date : _____

Cheque/Draft/Wireline (A/c Payee) should be made in favour of "GEO INDIA" payable at Dehradun, India and should reach along with the form latest by 27th August 2018 at the following Address:

Mr. K. Vasudevan, Secretary, APG, GEOIndia Secretariat, GEOPIC, 1st Floor, ONGC, KDMIPE Campus, Kaulagarh Road, Dehradun-248195, Uttarakhand, India

Phones+91 9410390111, +91 9410390063; Email geoindia2018@gmail.com

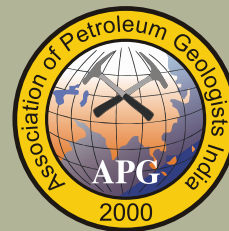
Other Bank Details are: Bank: HDFC Bank Ltd., Branch Address: 56, Rajpur Road, Dehradun-248001;

A/C No. : 02251450000216; RTGS/NEFT/IFSC code: HDFC0000225; Swift Code: HDFCINBB;

PAN No. of APG: AABTA3257E; GST Tax Registration No. GSTIN: 09AABTA3257E1ZZ

Note: 18 % GST applicable on the all short course fee.

XEROX COPIES CAN ALSO BE USED



Short Training Course Company Registration Form

Full Name: _____

Specialization: _____

Organization: _____

Full Mailing Address: _____

Telephone: Office: _____ Resi: _____

Fax: _____ Mobile: _____ E-mail: _____

Course to be attended

PCCE-01 PCCE-02 PCCE-03 PCCE-04

PCCE-05 PCCE-06 PCCE-07 PCCE-08

PCCE-09 PCCE-10 PCCE-11 PCCE-12

PCCE-13 PCCE-14 PCCE-15

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Phones+91 9410390111, +91 9410390063; Email geoindia2018@gmail.com

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Association of Petroleum Geologists (APG)

(Affiliated to the American Association of Petroleum Geologists, USA)



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Phones: +91 9410390111, +91 9410390063; E-mail: geoindia2018@gmail.com
