

Pre-Conference Continuing Education Courses (PCCE): GEO India 2022-5th edition of South Asian Geosciences Conference and Exhibition

The Pre-Conference Continuing Education (PCCE) courses as part of 'GEO India 2022' kicked off in the right earnest as 438 participants comprising geoscientists, engineers, and data analysts from ONGC, OVL, OIL, IOCL, BPRL, EIL, and Sun Petrodescended at the Pink City of Jaipur to enrich their knowledge, skills and current practices under the tutelage of eminent experts from industry and academia of international repute touching upon different aspects of the theme "fossil fuels, decarbonization and changing energy dynamic".

The CE Courses were specifically designed to dive deep into the present global picture of growing energy demand, sustained contributions from fossil fuels, and transition to renewables and low-carbon solutions. This will develop the capabilities to achieve the goal of AtmaNirbhar Bharat in the energy sector by 2047.

A total of 19 courses were conducted under four major categories of technical tracks by 23 internationally acclaimed faculty members from organisations such as BeicipFranlab (France), Institut de Physique du Globe de Paris (France), Indian Institute of Management Kolkata, Wadia Institute of Himalayan Geology, and Indian Institute of Technology Mumbai. Additionally industry knowledge behemoths like CGG, Halliburton, Schlumberger and Baker Hughes, etc. also participated in imparting knowledge.

Exploration-The Core: In order to further enhance the contributions of fossil fuels in the energy basket from geologically challenging and mature fields, it is pertinent to look back into basics and apply the latest technologies to these areas. Days of easy oil are gone, and the next big discovery is awaiting in uncharted areas such as High Pressure-High Temperature, tight syn-rift plays, deep water ventures, and new plays in frontier areas including sub-basalt. With this in mind, the "Exploration-The Core" track explored courses related to 'advances in basin modelling, sequence stratigraphy value additions to E&P, assessment of deep water systems, sedimentology for depositional environment reconstruction, and evaluating reservoir quality, seal potential and play' were conducted.



International and national energy experts explaining the nuances of exploration techniques under the track “Exploration-The Core”.

Technology: Key Enabler: Adaptability is the key to survival, and under Industrial Revolution 4.0 digitalization and the latest technology adoption are inevitable, and the E&P industry is no exception. Hence, ‘rock physics and advanced QI for reservoir challenges and decarbonization, fundamentals of seismic tomography and full waveform inversion (FWI), applications of geostatistical inversion for detailed reservoir characterization, big data analytics, an overview of oilfield geo-mechanism, mature field evaluation and redevelopment’ were conducted successfully as part of “Technology: Key Enabler” track.



*Experts deliberating on **Technology: Key Enabler***

Enchanting the economy: The energy sector is not only about science and technology, but is also about understanding the big picture of policies and fiscal regime and their implications in the techno-economic evaluation of reserves and resources. Additionally, In the current geopolitical scenario, uncertainties of price is very much at play and hence worth giving a thought. Through the “Enchanting the economy” track, ‘policies and fiscal regimes, reserves and resources, geopolitics and price uncertainty’ topics were deliberated by the faculties.



Participants in rapt attention under “Enchanting the Economy” track.

Energy the Road Ahead: Questions such as what will be the future energy basket and other strategic decisions that need to be taken into consideration by the hydrocarbon industry in order to have a minimal carbon footprint and ability to contribute to the vision of net zero, the “Energy the Road Ahead” track provided a deeper insight on ‘geothermal energy, non-seismic techniques in hydrocarbon exploration, strategic management for hydrocarbon industry, carbon capture and achieving net zero, hydrogen for the energy transition’ was pondered.



Experts deliberating on the need of the hour: Energy the road ahead

The CE courses were conducted simultaneously at four different venues in Jaipur and the participants were seen attending the classes in rapt attention and participated interactively.

During the course of the deliberations, the President of APG, India, Shri S N Chitnis, ED-HoI KDMIPE, Shri Vishal Shastri, ED-HoI, GEOPIC, Shri K R K Singh, Basin Manager-WOF Basin, Shri Gautam Dixit, GGM (Geology), Shri Jayanta Sarkar, Secretary, APG India visited different classes to greet the faculties and encourage the participants.



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The key executives also handed out certificates to the participants and thanked the instructors with a souvenir before posing for a group photo at the conclusion of this one day event.



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The participants expressed their gratitude to APG, India, and the PCCE Coordinator, Shri. Gautam Dixit, GGM (Geology), for the well-designed CE courses that provided them with an enriching experience and much-needed guidance in the current scenario.



For the album.

*Published by:
Publicity Committee, GEO India 2022*