

Inauguration of SEG Student Chapter-IIT Kharagpur

IIT Kharagpur is a premier institute of science and technology and the Department of Geology and Geophysics has been one of the oldest departments of the Institute. The Department is proud for distinguished list of teachers, and alumni and talented students. Over the years, the Department has made major achievements through collaborative works with many companies including ONGC, OIL India, Reliance Industries, apart from others. The date 6th of September '2009, assumes significance for the inauguration of the IIT Kharagpur Chapter of the Society of Exploration Geophysicists (SEG).



Mr. Apurba Saha, Executive Director, ONGC and President, SPG, India, was the chief guest at this inaugural event. In his address, Mr. Saha told the students that the inauguration of the SEG Chapter is a great start but sustenance of the spirit and continued efforts are very crucial. He stressed on the importance of greater students participation in various events organized by the SEG, SPG and other such Societies.

Mr. Saha further requested the teachers to encourage such participation as it helps students to get them exposed with developments in industry and academia. He briefly explained how SPG is acting as a great platform to integrate various disciplines of geosciences for the development in the field of Oil and Gas. He also suggested that the SEG chapter of IIT Kharagpur can act as a similar medium to bring student and faculty on a common platform, to work for the general benefit of the Geoscience community. He fondly recollected his memories of his student days in this campus and pledged his support for the chapter and his alma mater.



Dr. Rahul Dasgupta, Head, Geophysics, Oil India Limited, was the chief speaker at the event. He spoke on the trends and challenges in field of hydrocarbon. He spoke about the discovery cycle and how only tricky oil is left in combination traps. He talked about enhanced recovery and 4D methods of seismic exploration. Dr. Dasgupta enlightened the audience about the advancement in seismic acquisition, channel capacity and how seismic projects are being defined. He also gave his inputs on quantitative interpretation and techniques such as amplitude map and structural decomposition.

Mr. Biswajit Basu, General Manager (Geology), ONGC Kolkata, spoke on the topic of “Exploration of oil and gas in Bengal basin”. He talked about the geological and stratigraphic setting of the Bengal basin and challenges in drilling. Mr. Basu gave a fascinating account of his experience in ONGC, specially 2D and 3D seismic surveys. He informed the audience about exploration wells located both on and offshore and on the prospect proved on the wells and various hydrocarbons plays in the Bengal basin. He gave insights into modern exploration strategy like combination traps and shallow Mio-Pliocene channels. He explained how ONGC has been using 3D seismic surveys for testing meander channels at the Pliocene level in the Contai block.





The Director of the Institute, Prof. Damodar Acharya said that it is a great platform to work with the industry, obtain valuable inputs and prepare ourselves for the challenges of the future. He stressed on the importance of industry and academia to work together for efficient utilization of resources. He wished the Chapter success in its goals and advised students to familiarize themselves to challenges of the industry and work for solutions.

Prof. Biswajit Mishra, Head, Department of Geology and Geophysics, IIT Kharagpur, who is also the faculty advisor of the Chapter, started the event with his welcome speech. He thanked the guests and encouraged the students to put forward the best efforts that they can, to sustain and keep alive the spirit of the Chapter.

Prof. Sankar Kumar Nath and Prof. Anindya Sarkar highlighted the ongoing works in the Department. Research Scholar and Students from final years demonstrated their work that they have done during their stay at IIT Kharagpur.



However, this was the inaugural event and tough challenges lie ahead. Students of the Department have shown promises and are ready to face the challenges. The presence of the knowledgeable guests from Industry has certainly motivated the students that will keep the desire alive for excelling in the field of Geoscience. In summary, 6th of September '2009 will remain as a watershed in the history of the Department of Geology and Geophysics, IIT Kharagpur.