

***National Workshop on***  
**“RECENT ADVANCES IN EXPLORATION GEOPHYSICS FOR YOUNG RESEARCHERS”**  
**October 25<sup>th</sup> to 27<sup>th</sup> 2010**

Society of Petroleum Geophysicists (SPG), NGRI Student Chapter organized a three days workshop, on “Recent Advances in Exploration Geophysics for Young Researchers” from 25<sup>th</sup> to 27<sup>th</sup> October 2010 at National Geophysical Research Institute (CSIR), Hyderabad, with the support of Society of Petroleum Geophysicist (SPG). The purpose of this workshop was to provide a platform to the young researchers to share and discuss the recent research ideas with experienced minds in the field of Geosciences in general and Geophysics in particular.



*Inaugural of the National Workshop, Dr. H.V. Rambabu, Padma Shri Dr. V.P. Dimri, Dr. Y.J. Bhaskar Rao and Prof. N.L. Mohan (left to right)*

Padma Shri Dr. V.P. Dimri, Patron of SPG Hyderabad Chapter inaugurated the workshop and delivered the guest lecture on “Non Conventional Energies” India. Dr. (Ms.) Pallavi Banerjee, Secretary of SPG NGRI Student Chapter welcomed the gathering followed by the opening remarks by Dr. Y.J. Bhaskar Rao, Director NGRI. Dr. H.V. Rambabu, President of the Chapter and Prof. N.L. Mohan, former President of the SPG Regional chapter was the Guest of Honor. Shri. R. Krishna Kumar, Joint Secretary, Organizing Committee, delivered the vote of thanks.



*Keynote address by Shri. Apurba Saha*

Shri. Apurba Saha, President, SPG India, delivered a key note address on “Advances of Exploration Geophysics for Young Researchers”. He patronized the efforts of SPG India towards technical co-operation and in promoting Geophysics amongst the young minds. He briefed the cooperation of oil industry and academia, as well as the Status of hydrocarbon exploration and exploitation from shale.

Around 150 students and young researchers from various institutes from all over the India participated in the workshop. Thirteen invited speakers from universities, institutes and industries spoke on this occasion.

| Names  | Topic  |
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| 1. Shri. T.R. Murali Mohan, DGM (GP), ONGC   | Recent Advances in Seismic Data Acquisition, Processing and Interpretation           |
| 2. Dr. S.K. Verma, Raja Ramanna Fellow, NGRI   | Electromagnetic Method on Geophysical Exploration                                    |
| 3. Dr. O.P. Pandey, Scientist G, NGRI  | Application of Geology in Geophysics to Understand Solid Earth and Some Case Studies |
| 4. Dr. R.N. Singh (Recipient of Shanti Swaroop Bhatnager Award), Emeritus Scientist, NGRI  | Application of Mathematical Methods in Geophysics                                    |
| 5. Dr. D.C. Mishra, Emeritus Scientist, NGRI   | Application of Gravity Method in Geophysics  |
| 6. Shri.. T.R. Joshi, DGM (W), ONGC  | Advances in Well Logging   |
| 7. Dr. K. Mallick (Recipient of Shanti Swaroop Bhatnager Award), Emeritus Scientist, NGRI  | Application of Electrical Method in Geophysics                                       |
| 8. Dr. H.V. Rambabu, Scientist G, NGRI   | Advances in Instrumentation and Application of Airborne Technique in Geophysics      |
| 9. Dr. K.S.R. Murthy, Emeritus Scientist, NIO  | Advances in Magnetic Method in Geophysics  |
| 10. Shri. K. Vasudevan, Chief Geologist and Acreage Manager, ONGC  | Advances in Petroleum Exploration  |
| 11. Dr. Kalachand Sain, Scientist F, NGRI<br>(a) Dr. M. Ojha, Scientist B, NGRI<br>(b) Shri. A. Biswas, R. Fellow, IIT Kharagpur | Exploration and Exploitation of Hydrocarbons from Shale Formations                   |
| 12. Dr. Ajay Manglik, Scientist F, NGRI  | Application of MATLAB in Geophysics  |
| 13. Shri. T. Srinivas, Research Fellow, NGRI   | Understanding of MATLAB  |

A technical session was conducted with the participants and young scientists to share their thoughts on “Exploration and exploitation of hydrocarbons from shale formations”.

A student interaction panel was also organized with Padma Shri Dr. H.K.Gupta as a chairman and Dr. Y.J. Bhaskar Rao, Prof K.V. Subba Rao, Hyderabad University, Dr. Sukanta Roy, Scientist, NGRI and Shri. K Vasudevan, ONGC. The panelists suggested introducing earth sciences at school level to bring awareness, frequent gradation of the university syllabus to facilitate recent developments interaction with industry and introduction of trainings at various research labs and industries to groom the budding geophysicists. They also stressed on advanced researches on global vulnerability, exploration and exploitation of nuclear energy, renewable energies and sustainable energies like hydro power, solar energy, bio mass, tidal energy, geothermal energy, wind energy.



*Interaction Panel (Left to right: Shri.. K. Vasudevan, Dr. Y.J. Bhaskar Rao, Padma shri Dr. H.K. Gupta, Prof. Subba Rao, Dr. S. Roy)*

The best poster distribution was won by Miss Pinki Hazarika from NGRI and the runner up by Shri. Saurav Mittal from I.I.T. Kharagpur. Shri. Manish Kumar Pandey and Shri. Sahadur Prasad from Banaras Hindu University won the first prize in the quiz competition while Miss Priyanka Midha and Ms. Inderjeet Kaur of Kurukshetra University were runners. The quiz and Student panel were coordinated by Dr. Kusumita Arora, Scientist NGRI.



*Poster presentation by SPG Student Members and First Prize in Quiz won by SPG B.H.U. Student Chapter*

The prizes were distributed by Dr. Bijendra Singh, President SPG Hyderabad Chapter. Dr. H. V. Rambabu, President SPG NGRI Student chapter delivered the valedictory address. The workshop concluded with vote of thanks by Shri. R. Krishna Kumar, Joint Secretary, SPG NGRI Chapter. The whole event was organized by NGRI SPG Student Chapter ably guided by executive committee members of SPG Hyderabad Chapter.



*Members of Organizing Committee of SPG NGRI Student Chapter*



*Group Photo Graph of the Workshop (Participants, Delegates, Organizing Committee members and Advisors)*