Silver Jubilee Celebrations

Annual Industry Institute Interaction Program -08

SYMPOSIUM REPORT

NEW AND INNOVATIVE TECHNOLOGY IN UPSTREAM OIL INDUSTRY

Department of Petroleum Engineering, Maharashtra Institute of Technology, and the Society of Petroleum Engineers, Student Chapter of MIT, organized its **Annual Industry Institute Interaction Program, 2008** on the 14th, 15th and 16th March 2008. A symposium, “New and Innovative Technology in Upstream Oil Industry” was organized as a part of the silver jubilee celebrations of the college on a grand scale. The prize distribution function and panel discussion were held on the 15th evening for which **Mr. A. K. Hazarika, Director (Onshore) ONGC was the Chief Guest.**

# The symposium was divided into

# Presentations of innovative ideas by students and

# Presentations by Experts from Industry

Student Paper Presentation contest, on innovative ideas was held on Saturday, 15th March, 2008. Following students presented papers on topics as listed below:

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| **No.** | **Paper Titles** | **Names** |
| 1 | Dynamic Gas Lift Assembly | A. Shivaniker |
| 2 | Gravel Packing Sealing Fluid for Sand Control | I. Kuravale |
| 3 | Torque Controller Down Hole Motor | H. Thar |
| 4 | Naphtha Assisted in situ Combustion | J. D’Silva |
| 5 | EOR by in situ Exothermic Reaction | S. Bhat |
| 6 | New Bio Degradable Polymer for Chemical EOR | M. Kaul |
| 7 | Gas Hydrates Production using Microwaves | K. Ogra |
| 8 | EOR by Electrical Methods | R. Sahay |
| 9 | Fiber Laser Milling Technology | J. John |
| 10 | Application of PHPA in Polymer Flooding | S. Khot |
| 11 | Supercritical CO2 as a drilling fluid for UBD | A. Singh |
| 12 | Modified Starch as a New Gas Hydrate Inhibitor | K. Kannan |
| 13 | Steam Fracturing | N. Musani |
| 14 | Ferrofluid as an EOR technique | S. Sinha |
| 15 | Optimization of Gas Lift | A. Musale |

Mr. S. R. Athawale, Executive Director (M&M), ONGC, Mr. John Hoppe, Head, Shell Technology India, Bangalore, Mr. P. Sangvai, Asset Manager, Reliance, Mr. G. U. Pai, Head, Oil and Gas Division, L & T, Mr. A. V. K. Suryanarayana, GM(Geophysics), ONGC, Mumbai and Mr. Andrew James, Reservoir Engineer, Shell Technology India, were the judges for the contest.

During the week long celebrations, a number of competitions were also held, like model making competition, slogan competition, soft skills workshop, debate competition, technical quiz competition, photography competition.

**AWARDS**

# Krupa Kannan and Aarti Punase were the winners of the paper presentation contest.

1. Jonathan D’Silva, Gautam Kakade and Harshad Kalbhor were the winners of the technical quiz contest.
2. Anurag Bharati and Aditya Thapar were the winners of the debate competition.
3. Nikhil Godhke, Sumit Songire, Tejas Gadekar, Ruturaj Deshmukh and Akshay Thombare were the winners for the modeling competition.
4. Rachit Garg and Konark Ogra were the winners of the photography contest.

## SPEECHES & PANEL DISCUSSION

**Dr. L. K. Kshirsagar**, Principal-MIT-Pune, accompanied and felicitated the Chief Guest, Mr. A. K. Hazarika and other distinguished guests of honor on the dais.

**Mr. Konark Ogra,** MIT-SPE Chapter President, spoke about the chapter achievements. He highlighted the active student chapter achievements where Ms. Shruti Jahagirdhar, won the First Prize at the SPE regional competition held at ISM Dhanbad on the 5th October, 2007.

**Dr. P. B. Jadhav**, Head, Petroleum Engineering Department spoke of the two big achievements of the Department in the last 25 years, namely, Dr. L K. Kshirsagar, being awarded the SPE Regional Award for his contribution to the Petroleum Industry and Ms. Neeti Joshi for winning the first prize at the SPE-ATC, California, USA.

**Dr. L. K. Kshirsagar** acknowledged the help of the industry andthe need for bringing Pune on the “Oil Map of India” by the coordinated efforts of the industry and academia.

**Mr. A. K. Hazarika,** spoke about the wonderful college, department and the students. He said that the industry was booming and that the excellent students being produced in the department would have no problem in finding the best possible job.

**Prof. V. D. Karad**, spoke about the development of the college and the attempt of the management to inculcate values and also a blend of science and spirituality on the campus to make the students physically capable, mentally alert and spiritually elevated.

Dr. L. K. Kshirsagar chaired the panel discussion. The panelists were Dr. P. B. Jadhav, Mr. A. K. Hazarika, Mr. S. R. Athawale, Mr John Hoppe, Mr. Mukesh Jain, Reliance, Mr. G. U. Pai, L & T, Mr. A. V. K. Suryanarayana, Mr. Chandrashekhar Deshpande, Baker Hughes Inteq, Mr. R. N. Pandey, GSPC, Dr. S. V. Deshpande, Cambay Petroleum, and Mr. Tejas Deshmukh, BG India. The questions ranged from a wide variety of subjects including the relevance and confidentiality of oil field data and the future of Offshore Drilling in India. Other topics included status of exploration in India, heavy oil, Mangala oil field in Rajasthan etc.

Mr. John Hoppe in his brief speech announced the “Shell Outstanding Award” as Mounraj Sharma of B.E. Petroleum Engineering.

Mr. C. Deshpande announced a summer internship program on behalf of Baker Hughes Inteq for the winners of the paper presentation competition.

The function concluded with a vote of thanks to all the distinguished guests who took time out of their busy schedule to come and attend the function. Special thanks to all the alumni who made it a point to attend the function. In all about 15 Alumni were also present; Milind Gokhale (independent consultant in drilling), Sameer Kale (B.J. Services), Manoj Londhe (ONGC), Chandrashekhar Deshpande and Hrishikesh Shinde (Baker Hughes Inteq), Pravin Girde and Jigar Thakar (Weatherford), Mujeer Shaikh and Sumit Bhat (Halliburton), Arindham Arang, Sateesh Balakrishnan, Rahul Oswal, Lokesh Agarwal, Anish Phade, Ryan George (Reliance), Sambhaji Devkar and Rajesh Randive (Schlumberger), Neeti Joshi(Shell Technology India), Sujit Bhatevera (Smith Bits) were some of them.

# GUEST LECTURES

A series of presentations by guests was organized on Sunday, 16th March, covering nearly every aspect of the Petroleum Sector.

**Mr. Sumit Bhat, Technical Professional, Halliburton,** spoke on CobraMax Fracturing Process.

**Mr. R. N. Pandey, GM (R&D), GSPC,** spoke about his experiences in the oil industry and said that a holistic view is essential in understanding the reservoir. He also emphasized the importance of data sharing in successful ventures.

**Mr. Andrew James, Reservoir Engineer, Shell Technology India,** spoke on the challenges faced in developing today’s biggest E & P Project in the world- i.e. Sakhalin-II

**Mr. A. V. K. Suryanarayana, GM (Geophysics), ONGC, spoke on** “In Quest of Hydrocarbon”. He gave the status of exploration activities of ONGC in the different basins in India.

**Mr. Mukesh Jain, Head, Exploration, International Business, Reliance Industries,** spoke on “Global Oil and Gas Scenario”. He urged the younger generation to take on the challenges and make India self sufficient in oil.

**Mr. A. K. Hazarika,** spoke on the “Opportunities for Petroleum Engineers in the Oil industry. He said that there was a huge dearth not only for Petroleum Engineers, but also for other disciplines. Young engineers should be willing to do hard work to be successful in a career in oil industry was his advice.

**Ms. Aarti Punase, MIT-SPE Student Chapter,** thanked all the guests who spent their valuable time for two days on our campus and also to all the student participants in the various events.

We gratefully acknowledge corporate sponsors and individual sponsors for making the event successful. The Cricket Match of Alumni versus Students also went off well, where alumni conceded defeat!