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Arun, Chennai
D.N. Patro, Ahmedabad**Geohorizons, SPG, India**1, Old CSD Building
ONGC, KDMIPE Campus
Kaulagarh Road,
Dehradun - 248 195
Phone : 91-135-2795536/2752088
Fax : 91-135-275028
E-mail : spgindia@rediffmail.com
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Phone : 2654505

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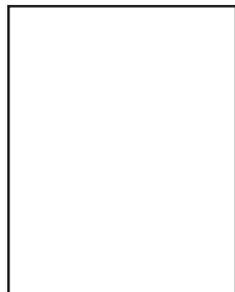
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CALENDER OF EVENTS

Geohorizons is published by the Society of Petroleum Geophysicists (SPG), India. **Geohorizons** welcomes your contribution and articles on the latest researches and investigations in the field of petroleum geophysics, related geoscientific and engineering disciplines. News items about the Society, announcements and other features containing information of interest to the members of the Society are also welcome.

The statement of facts and opinions given in the articles published in the journal are made on the sole responsibility of author(s) and the Society or the editorial board cannot be held responsible for the same.

Editor's Page



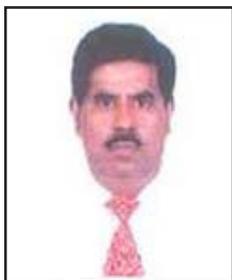
Seeking and recognizing patterns of all sorts has been a basic human trait and a significantly large part of human brain is used routinely to identify and interpret patterns. It is thus only natural, that pattern recognition is an oft-used refrain in the exploration industry. A variety of geophysical techniques adopt this method to identify and understand the underlying geology and the information represented by the patterns. For instance, in seismics, right from raw field monitor record to post stack section, we visually recognize patterns from the background noise and pick up what seems relevant and useful to us. Subtle variations in the seismic characteristics are computed in various ways and when displayed in the form of maps, vertical sections and cross-plots, we recognize and interpret patterns therein. Everyday techniques of semblance, coherence, variance, etc. are common variants of the principle of pattern recognition. Furthermore, most of times, we look for the **patterns of orderliness** among chaos in the data. But then some weeks ago I happened to attend a presentation by couple of Russian Geoscientists. These gentlemen, from the land of many a pioneering works in geosciences, talked about a DHI technique based on recognizing **chaotic patterns** in stacked seismic data. Defying our well entrenched orderliness theory they associated these islands of chaos with the oil bearing reservoir rocks. In their rhetoric they made a preposterous statement that *noisier the seismic data the better* the effect of their technique (I could hear 'didn't I tell you so' cat calls from my friends from field and even processing division). Another established software house has now come up with a new seismic attribute called **chaotic attribute**. It looks like we are making a U-turn, going from order to disorder, obeying the nature's law of Entropy. I guess soon we will be processing and interpreting our data for different **classes of noise or chaos anomalies**.

Yet another technology coming up in a big way is **sea bed logging**. So, friends, get ready to see many volumes, such as resistivity volume, gamma ray volume, etc on your workstations. And this time all these volumes will not be courtesy PNN based transformation of seismic (by cumbersome algorithms) but directly from the field. The promoters of these technologies are exuberantly confident that oil and gas reservoirs can be detected and mapped directly, without churning out the Mill called Geology! What a relief (or is that a scare ?) for our geologist colleagues! No more structure maps, no net & gross sand maps, no porosity maps and no more the most demanding task of dry well analyses!. But wait a minute, what's going on? Is the oil exploration going to the hands of office secretaries and accountants in the future? How is that as the food for thought.

Musings aside, this issue carries a number of good papers, few of them read out at Conference on Geophysical Technology (CGT-2005), for the special benefit of those who could not attend the meet. There is an interesting paper on **carbonate mud rock line** and another one on **quantification of uncertainty in petro-physical deliverables by statistical technique**. So go ahead, turn the pages over and have a happy reading.

(R.T. Arasu)

President's Page



Dear members! As promised in our previous issue, we have been able to further reduce the delay in publication considerably! The major challenge in bringing out this journal is maintaining its quality. This is possible only through your valuable contributions and suggestions. Our next issue i.e. January 2006 issue will be a special issue to be released during the 6th International Conference & Exposition on Petroleum Geophysics “**Kolkata 2006**” to be held during January 9-11, 2006 at Science City, Kolkata. We seek your special interest and contributions in making this issue a memorable one. Please start sending your articles, features, news items etc. from now onwards so that the editorial board can make the best use of them in a timely manner.

Preparations for ‘**Kolkata 2006**’ have gained momentum during the last few weeks. Most of the bookings have been done and the pre and post conference workshops have been firmed up. The response from the sponsors has been highly encouraging till now and we expect that their support will exceed our expectations as always. Several firsts like: “**Job fair**” for Geophysics students, CEOs meet focusing on E&P challenges etc. have been planned during ‘**Kolkata 2006**’. Besides, a rich technical program, exposition, the students program, more than 10 pre and post conference workshops and a rainbow of cultural evenings are planned. I sincerely urge you to visit our website www.spgindia.org and offer your valuable feedback for further value addition to the event. It is also a high time that you give a final shape to your technical papers and submit them online, through e-mail or post as the last date for submission of the expanded abstracts is fast approaching (31st October 2005). We look forward to planned contributions from each one of our members, be it a geoscientist, an engineer, an academician, a student or a technocrat. Another major highlight of “**Kolkata 2006**” will be the enhanced support (Level III+) from SEG, USA for which the agreement has already been signed. This would mean greater participation by SEG in overall value addition to the event, making it a truly world class event.

The Indian oil industry was hit by one of the worst disasters of recent times, when the BHN platform of ONGC in Mumbai high was gutted. However, the magnitude of the tragedy could have been much larger, but for the excellent rescue and relief work carried out jointly by the ONGC management, the Coast Guards and the Navy. We salute the heroes who laid down their lives while performing their duties and pray for the safety of the missing ones. It will require a collective effort to bring the production back to normal and SPG, India, as a society is committed to contribute its might in this rebuilding process.

DISC-2005 by DR. Rodney Calvert on “**Insights and methods on 4D reservoirs monitoring and characterization**” held in Dehradun on 20-05-2005 was a great success. The “**DLP-2005**” on a very interesting topic “**Seismic noise without a source**” by Julien Meunier, the world known authority from CGG is scheduled to be held in Ahmedabad on 23rd September 2005 and we look forward to very good all-round participation in the event.

The SPG website has been given a facelift and I once again request all the members to regularly update their databases using the online facility. If you face a problem, please feel free to e-mail us so that corrective action may be taken immediately. The executive bodies of all the regional chapters must take a lead in this regard and also come up with concrete suggestions for improvement.

As per our commitment to ensure greater participation of the regional representatives in the national/international geophysical conferences, one representative from Jorhat chapter participated in EAGE-2005 along with another member from SPG, India. One representative from Kolkata chapter is likely to participate in the forthcoming international conference of the Brazilian Geophysical Society SBGf, while another representative from Baroda chapter shall represent SPG, India at SEG-2005 along with an SPG, India representative. We expect all the regional chapters to play an active role in accelerating the society activities and ensuring membership renewal and new enrolment for the year 2005.

I once again request all the members to keep contributing towards the enrichment of Geohorizons and also to put in special efforts towards the success of “**Kolkata 2006**”.

Wish you all a very happy reading!

(Apurba Saha)