

# SPG Ahmedabad Chapter Organises Lecture by 2013 SEG Distinguished Lecturer Prof Gerard T. Schuster on 17th May-2013

SPG Ahmedabad chapter organised the lecture on 17th May, 2013 at Hotel Metropole, Ahmedabad.

It was attended by ONGC geoscientists and students from PDP University, Gandhinagar. The program was presided by Shri P. K. Upadhyaya, DGM(Geophy.) President SPG Ahmedabad Chapter.



Shri.PK Upadhyaya,inaugurating the lecture by Prof Gerard T. Schuster

In his lecture Prof. Schuster introduced the concepts underlying seismic interferometry and presented the workflows for its implementations and practical applications. He illustrated the theory with some interesting common examples of day to day life. His lecture was quite informative and introduced a new dimension to convert coherent noise like multiples into primaries. Various ways to harvest useful signal from portions of the data normally considered as noise in conventional processing was shown with examples.

Multiple imaging methods were shown viz. increased/uniform subsalt illumination by multiple reflections as signal, otherwise uneven illumination by primaries, tripling of the aperture of usable refraction arrivals by super virtual interferometry, significant widening of the illumination zone of VSP data by transforming multiples into primaries, and reduction of the cost of imaging by multisource phase encoded migration and waveform inversion. The interaction of the participants with Prof. G.Schuster was quite intense as curiosity of new subject and making use of noise to our advantage.