

# **The Use of Seismic Data in Industry**

## **5 Hour AGENDA**

**Day 1** either morning with a lunch break or afternoon (1:00 to 6:00)

|   |       |
|---|-------|
| Lecture 5 – The Seismic Method                    | 8:30  |
| Exercise 5a – An Inclined Reflector               | 8:45  |
| Exercise 5b – Imaging an Anticline                | 9:00  |
| Lecture 6 – Seismic Reflections                   | 1:25  |
| Exercise 6a – Calculating Reflection Coefficients | 9:50  |
| Break   | 10:10 |
| Exercise 6b – Calculating Frequency & Wavelength  | 10:20 |
| Exercise 6c – Modeling a Seismic Trace            | 10:35 |
| Lecture 8 – Seismic Resolution                    | 11:05 |
| Exercise 8a – Calculating Vertical Resolution     | 11:20 |
| Lecture 8 – Seismic Resolution (continued)        | 11:35 |
| Exercise 8b – Calculating Lateral Resolution      | 11:50 |
| LUNCH   | 12:15 |
| Lecture 9 - Overview of Seismic Interpretation    | 1:15  |
| Exercise 11a – Interpreting a Seismic Line        | 1:40  |
| ADJOURN   | 2:30  |