

Applied Marine Acoustics & Practical Signal Processing

Start	Finish	Topic
<u>DAY 1</u>		
8.30	9.00	Registration/Welcome
9.00	9.45	Introduction to Acoustics
9.50	10.50	Acoustics in the ocean environment
10.50	11.00	Break
11.00	11.45	Sonar equation and dBs in ocean acoustics
11.45	12.50	Practical Module I - dB workshop/Applied acoustics
12.50	13.30	Lunch
13.30	14.15	Types of signals
14.15	15.30	Practical module II - Signals and features
15.30	15.45	Break
15.45	16.45	Applied marine acoustics
16.45	17.00	Discussions & close
<u>DAY 2</u>		
9.00	9.40	Signals generators & receivers
9.40	11.00	Analysing and processing signals
11.00	11.15	Break
11.15	12.20	Group discussion I - industrial applications
12.20	12.50	Group discussion II - Interdisciplinary applications
12.50	13.30	Lunch
13.30	14.30	Underwater acoustic modelling
14.30	14.45	Break
14.45	17.00	Practical problem solving- I (Pile driving SL estimation)
<u>DAY 3</u>		
9.00	9.45	Advanced processing techniques & statistics
9.45	10.30	Dealing with unknowns
		Environmental impact assessment - anthropogenic noise on marine
10.30	11.00	mammals
11.00	11.15	Break
		A practical problem to solve II - EIA (seismic noise on marine
11.15	12.30	mammals)
12.30	--	Depart

