Book Reading Club

Schedule for group reading of the book Full Seismic Waveform Modelling and Inversion by Andreas Fichtner.

Session	Date	Section(s)	Pages	Lead
1	16-10-18	1. Preliminaries 2. Introduction	1-22	Robin
2	23-10-18	3.1. Finite Difference Methods - Basic Concepts in One Dimension	23-38	All
3	30-10-18	3.2. Finite Difference Methods - Extension to the 3D Cartesian Case 3.3. Finite Difference Methods - The 3D Spherical Case	38-58	Jagdish
4	6-11-18	4. Spectral-Element Methods	59-83	Karim
5	13-11-18	5. Visco-elastic Dissipation 6. Absorbing Boundaries	83-89 89-113	Sarah Andrew
6	11-12-18	7. Introduction to Iterative Non-linear Minimisation	113-141	Robin
7	18-12-18	The rest of waveform tomography: 8. The Time-Domain Continuous Adjoint Method 9. First and Second Derivatives with Respect to Structural and Source Parameters 10.The Frequency-Domain Discrete Adjoint Method (Optional?) 11. Misfit Functionals and Adjoint Sources 12. Frechet and Hessian Kernel Gallery	 141-163 163-189 189-193 193-211 211-230	Andrei
8	Unknown	Anything else?		