

# Papers discussion

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**ERSE 210 Seismology**

# Assignment

Read one among the listed papers and prepare a 10 minutes presentation summarizing the main conceptual idea and its practical application(s).

Alternatively, you may choose a paper of your choice. The paper must be of similar kind to those I suggested (broad overview of a topic briefly mentioned in class but not discussed in details) – please check with me before starting to read the paper.

# 1. SRME

## **A perspective on 3D surface-related multiple elimination**

Bill Dragoset<sup>1</sup>, Eric Verschuur<sup>2</sup>, Ian Moore<sup>3</sup>, and Richard Bisley<sup>3</sup>

## 2. Seismic Interferometry

### **Tutorial on seismic interferometry: Part 1 — Basic principles and applications**

Kees Wapenaar<sup>1</sup>, Deyan Draganov<sup>1</sup>, Roel Snieder<sup>2</sup>, Xander Campman<sup>3</sup>, and Arie Verdel<sup>3</sup>

### 3. Surface wave method

*Near Surface Geophysics, 2004, 165-185*

## **Surface-wave method for near-surface characterization: a tutorial**

L.V. Socco and C. Strobbia\*

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## 4. Processing with multicomponent data

**On the use of multicomponent streamer recordings for reconstruction of pressure wavefields in the crossline direction**

Johan O. A. Robertsson<sup>1</sup>, Ian Moore<sup>1</sup>, Massimiliano Vassallo<sup>2</sup>, Kemal Özdemir<sup>3</sup>, Dirk-Jan van Manen<sup>2</sup>, and Ali Özbek<sup>1</sup>

## 5. Deblending

**Separation of blended data by iterative estimation and subtraction of blending interference noise**

Araz Mahdad, Panagiotis Doulgeris, and Gerrit Blacquiere

<https://doi.org/10.1190/1.3556597>