Recommended reading

Magnetoencephalography in the study of human somatosensory cortical processing

Less technical, application-oriented introduction to MEG

Signal Processing in Magnetoencephalography

Introduction to MEG, also explains MEG gradiometers and an introduction to beamformers.

Electromagnetic Brain Mapping

Comprehensive introduction to MEG with an emphasis on the inverse problem.

Magnetoencephalography: the art of finding a needle in a haystack

A less mathematical introduction to beamforming.

Localisation of Brain Electrical Activity via Linearly Constrained Minimum Variance Spatial Filtering

A nice straightforward mathematical explanation of the original LCMV Beamformer.

Dynamic imaging of coherent sources: Studying neural interactions in the human brain

Not too mathematical description of a popular approach for beamforming in the frequency domain and finding coherence between different signals.

Multiple sparse priors for the M/EEG inverse problem

Mathematical description of the multiple sparse prior (MSP) approach to distributed source modelling used in SPM.

MEG and EEG data fusion: simultaneous localisation of face-evoked responses

Shows the fusion of MEG and EEG using the MSP approach found in SPM.