

## **Imaging Earth Across Scales with Correlation Wavefield**

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Much of the effort over the past decade in the field of large-scale passive seismic imaging has focussed on using seismic ambient noise signals recorded simultaneously by seismic sensor networks, mainly utilising the surface wave component of the wavefield. Meanwhile, some of the recent methodological developments enabled the use of body waves of the seismic correlation wavefield in earth imaging.

I present some of the recent developments in the utilisation of the surface and body waves of the seismic correlation wavefield in earth imaging, using examples from Australia and Indonesia as well as new wavefield reconstruction techniques for improving the accuracy and volume of the measurements in imaging.