## 24th Australian Institute of Physics Congress



Contribution ID: 277 Type: Talk (preferred)

## Seismic-isolation-chain displacement sensing using Digital Interferometry

Monday 12 December 2022 11:00 (15 minutes)

Future interferometric gravitational-wave detectors are predicted to be impacted by low-frequency relative displacement motion between their seismic isolation platforms. We will present the advantages, sensitivity targets and latest prototype developments towards a digitally-enhanced interferometric sensor for measuring this motion.

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