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## Science with future Gravitational-wave Observatories: Cosmology

*Thursday 15 December 2022 11:30 (20 minutes)*

Gravitational waves offer a new precision tool for cosmology. I will discuss their advantages over previous light-based techniques, and the major conundrums that gravitational waves will illuminate such as cosmological “tensions”, dark matter, and dark energy.

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**Session Classification:** Focus Session

**Track Classification:** Focused Sessions: Australia’s future in gravitational wave physics and astrophysics