## 24th Australian Institute of Physics Congress



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## Designer glasses for ultra-low loss optical waveguides for lightwave circuits

Friday 16 December 2022 09:30 (15 minutes)

A newly designed optical glass that could host ultra-low loss optical waveguides written with femtosecond laser is presented. Propagation losses as low as 0.05 dB/cm is reported for 1310 and 1550 nm wavelengths.

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