## 24th Australian Institute of Physics Congress



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## Optically addressable spin defects in hexagonal Boron Nitride

Tuesday 13 December 2022 16:00 (30 minutes)

We demonstrate the controlled engineering of boron vacancy defects creation in two dimensional material hBN. The spin state in these defects can be controlled optically which is highly desirable for realization of quantum devices and scalable quantum communication technologies.

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