

Transient Science with SkyMapper and the Next Generation of Ground-based Surveys

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SkyMapper is a 1.3m wide-field survey telescope located at Siding Spring Observatory in Australia. It will carry out a comprehensive digital survey of the entire southern sky. I will give an overview of the wide range of transient science projects planned for SkyMapper, including a rolling supernova survey that aims to deliver well-calibrated data for high-precision cosmological measurements. I will also briefly describe the unique opportunities to study transients in synergy with the new generation of radio telescopes in the southern hemisphere.

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