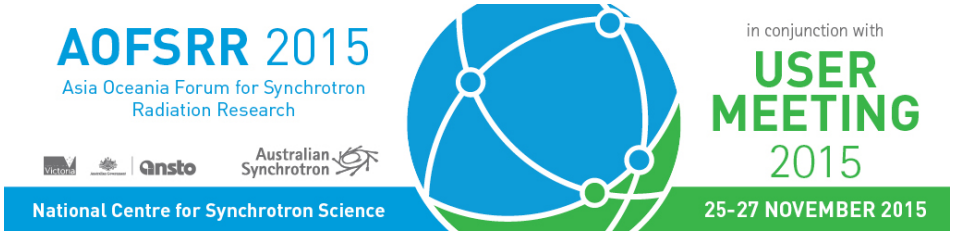

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Condensed Phase applications at the THz beamline

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Spectroscopic studies of condensed phase matter have been successfully conducted at the THz/Far-IR beamline of Australian Synchrotron for a few years and applications range from nanotechnology, geology, renewable energy sources, forensics, biology, engineering and the environment. In this paper, we will present some of these applications and current techniques, as well as new techniques which are under consideration for the study of condensed phase materials. In particular, we will present our recent efforts in studying liquids in the THz spectral region.

Keywords

THz, synchrotron, liquid cell, spectroscopy

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