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## Design Study for CLS 2.0

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The Canadian Light Source (CLS) located in Saskatoon on the campus of the University of Saskatchewan has been in operation since 2005. Upon completion of the Phase III beamlines in 2019, the total number of end-station will be over 25, leaving space for only one last beamline. In light of the growing demand for synchrotron light and the advances in accelerator physics in the past 20 years since the CLS was designed, a new Conceptual Design Report is being prepared to explore how the needs of Canadian scientists can be met. This talk will cover the trends in synchrotron light sources, the state-of-the-art technology and the present status of the CLD 2.0 design study.

**Author:** Dr BOLAND, Mark (CLS)

**Presenter:** Dr BOLAND, Mark (CLS)

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