Canadian Association of Physicists
Association canadienne des physiciens et physiciennes

Contribution ID: **80** Type: **Invited Speaker / Conférencier(ère) invité(e)**

(I) CLS2: A Next Generation Light Sournce for Canada

Monday 7 June 2021 12:00 (10 minutes)

The CLS2 is a concept design of a next generation synchrotron light source to keep Canada at the forefront of scientific research that is uniquely available to researchers with access to such national infrastructure. Canada's research priorities in health and medicine, agriculture and food security, advance materials and industrial research, will all be enabled with national access to a next generation synchrotron. The CLS has provided critical research for Canada and the world, including covid-19 research that can only be performed on a synchrotron, and all OECD countries are in the process of commissioning, investing in or planning a next generation light source such as CLS2. This presentation of a new concept for a next generation synchrotron is a world leading design with the highest brightness in its class. The Conceptual Design Report currently being written is aimed at the government, industry and scientific community who will be the users of the facility and to engage them in the creation of a Technical Design Report and a project proposal to realise a future light source for Canada beyond the CLS which is approaching end-of-life.

Author: Dr BOLAND, Mark (CLS University of Saskatchewan (CA))

Presenter: Dr BOLAND, Mark (CLS University of Saskatchewan (CA))

Session Classification: M1-7 ACC Developments in Canada (DAPI) / Développements ACC au Canada (DPAI)

Track Classification: Applied Physics and Instrumentation / Physique appliquée et de l'instrumentation (DAPI / DPAI)