Canadian Association of Physicists
Association canadienne des physiciens et physiciennes

Contribution ID: **3532** Type: **Invited Speaker / Conférencier(ère) invité(e)**

ACCELERATORS AND NUCLEAR FACILITIES AT McMASTER UNIVERSITY

Monday 6 June 2022 16:00 (30 minutes)

McMaster University is home to a unique suite of facilities in a Canadian university environment, welcoming researchers from across Canada and abroad. In addition to Canada's most powerful nuclear research reactor, the McMaster Nuclear Reactor, McMaster University is the location of six particle accelerators which enable experimental programs in non-invasive assessment of biological composition; effects of radiation on biological systems; production of radioisotopes; and imaging of materials in support of nuclear power generation aging management. Accelerator configurations are flexible depending on experimental requirements, and within the scope of regulatory requirements. Presented is a brief history, current state and projects, and future plans of the accelerator facilities.

Primary author: HARPER, Ross

Co-authors: Mr BENNET, Justin (McMaster University); Mr HEYSEL, Chris (McMaster University); Mr BILAVER, Nedijlko (McMaster University)

Presenter: HARPER, Ross

Session Classification: M3-6 Accelerator Applications (DAPI) | Applications des accélérateurs (DPAI)

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