

Session Program

28 May 2017 to 2 June 2017



Canadian Association
of Physicists

Association canadienne des
physiciens et physiciennes

2017 CAP Congress / Congrès de l'ACP 2017

***DAMOPC Poster Session | Session d'affiches
DPAMPC (14)***

Queen's University

Wednesday 31 May

18:00

DAMOPC Poster Session | Session d'affiches DPAMPC (14)

Session | **Location:** Queen's Athletics & Recreation Centre (ARC) | **Convener:** Paul Barclay

18:00-18:02 POS-1 - N(2P) Production in electron-N₂ Collisions.

Speaker

Mr Jeffery Dech

18:02-18:04

POS-2 - Loading laser-cooled atoms into a cavity formed by a hollow-core fiber capped with a pair of dielectric metasurfaces

Speaker

Mr Sai Sreesh Venuturumilli

18:04-18:06

POS-3 ~~WITHDRAWN**~~ - On The Laser-Induced Fluorescence Spectroscopy of Two Ruthenium-Bearing Molecules: RuX (X=F, Cl)**

Speaker

Mr Hanif Zarringhalam

18:06-18:08

POS-4 - Cross-phase modulation with laser cooled atoms confined inside a hollow-core fiber

Speaker

Cameron Vickers

18:10-18:12

POS-5 - Generating Squeezed Thermal States via Parametric Down Conversion in Lossy Cavities

Speaker

Hossein Seifoory

18:12-18:14

POS-6 - Quantum repeaters with single rare-earth ions in telecommunication wavelengths

Speaker

Ms Faezeh Kimiaee Asadi

18:14-18:16

POS-7 - Relativistic Corrections to Nonrelativistic Electric Dipole Transitions

Speakers

Ms Maha Sami, Mr Daniel Venn

18:16-18:18

POS-8 - Arduino-controlled triple-grating high-resolution spectrometer

Speaker

Mr Jiawei Qiu

18:18-18:20

POS-9 - Polaron master equation theory of an on-demand quantum dot single-photon source through cavity-assisted stimulated adiabatic Raman passage (STIRAP)**Speaker**

Chris Gustin

18:20-18:22

POS-10 - Radio-frequency ion trap with an integrated optical cavity**Speaker**

Mr Turner Silverthorne

18:22-18:24

POS-11 - Metals for Induced Transmission Optical Filters**Speaker**

Prof. Scott Teare

18:24-18:26

POS-12 - Visualization of state determination via weak measurements**Speaker**

Dr Igor Ivanovic

18:26-18:28

POS-13 - Application of coupled mode theory to phase-shift and intensity measurements in optical microresonators**Speaker**

Dr Jack Barnes

18:30-18:32

POS-14 - Nano-antenna fabrication through porous anodic alumina template**Speaker**

Mr Fathi Souissi

19:30