

## **Session Program**

**6-11 Jun 2021**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

## **2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021**

### ***W-POS-E #28-40 Poster Session (DAMOPC) / Session d'affiches (DPAMOC)***

Underline Conference System

## Tuesday 8 June

13:45

### W-POS-E #28-40 Poster Session (DAMOPC) / Session d'affiches (DPAMOC)

Session | Location: Underline Conference System | Convener: Nisha Rani Agarwal

13:45-13:47

#### POS-E28 -- Holographic optical manipulation of trapped ions for quantum simulation

**Speaker**

Roland Hablutzel

13:47-13:49

#### (G\*) POS-E29 -- Simple Measurement for Field Reconstruction

**Speaker**

Chathurangani Jayalath Arachchige

13:49-13:51

#### (G\*) POS-E30 -- Quantum Gates in a Cold Atom System

**Speaker**

Joseph Lindon

13:51-13:53

#### (G\*) POS-E31 -- Quantum Simulation of the Quantum Kicked Top

**Speaker**

Sayan Gangopadhyay

13:53-13:55

#### POS-E32 -- Optical design challenges of subnivean camera trapping under extreme arctic conditions

**Speaker**

Anastasiia Pusenkova

13:55-13:57

#### POS-E33 -- Light-induced dissociation dynamics of Br<sub>2</sub>

**Speaker**

Mr Tian Wang

13:57-13:59

#### POS-E34 -- Photonic Cooperativity and Coherence in Tubulin Architectures

**Speaker**

Nathan Babcock

13:59-14:01

#### (G\*) POS-E35 -- Novel Methods for Pulse Compression

**Speaker**

Jacob Stephen

14:01-14:03

#### (G\*) POS-E36 -- On the origin of the coherence of sunlight on the earth

**Speaker**

Mr Sriram Sundaram

14:03-14:05

#### (G\*) POS-E37 -- Advanced modelling in computational nanophotonics

**Speaker**

Joshua Baxter

14:05-14:07

**(G\*) POS-E38 -- Toward a spin-tensor-momentum coupled Bose-Einstein condensate**

**Speaker**

Benjamin Smith

14:07-14:09

**POS-E39 -- Photoelectron distributions of synthetically chiral light**

**Speaker**

Zack Dube

14:09-14:11

**POS-E40 -- Accurate numerical method for the calculation of the doubly excited states in atoms**

**Speaker**

Marc-André Albert

14:45

17:30

18:30

**W-POS-E #28-40 Poster Session (DAMOPC) / Session d'affiches (DPAMOC)**

**Session** | **Location:** Underline Conference System | **Convener:** Nisha Rani Agarwal