

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

***M3-1 Nonlinear and Quantum Optics
(DAMOPOC) / Optique non linéaire et optique
quantique (DPAMPC)***

Underline Conference System

Sunday 6 June

15:45

M3-1 Nonlinear and Quantum Optics (DAMOPC) / Optique non linéaire et optique quantique (DPAMPC)

Session | Location: Underline Conference System | Convener: Duncan O'Dell

15:45–15:50 **(I) Nonlinear Atomic Force Microscopy**

Speaker

Karl-Peter Marzlin

15:50–15:55 **(I) Prospects for quantum computing with Ba⁺ ions**

Speaker

Prof. Crystal Senko

15:55–16:00

(I) Polarization control of spontaneous emission for rapid quantum state initialization

Speaker

Chitra Rangan

16:00–16:04

Time-resolved spectroscopy of Xe giant plasmonic resonance by in situ measurement method

Speaker

Dr Dong Hyuk Ko

16:04–16:08

(U*) Connection between non-analyticities and universal structures in many-body systems

Speaker

David Linteau

16:08–16:12

Multidimensional Raman Solitons as Drivers of the High Harmonic Generation Process

Speaker

Katherine Légaré

16:12–16:16

(G*) Broadband and high sensitivity THz system with grating-assisted noncollinear phase-matching

Speaker

Wei Cui

16:16–16:20

(U*) Calculation of High Harmonic Spectrum from a 1D periodic potential

Speaker

Shubham Kukreja

16:20-16:24

High Harmonic Generation and Strong Field Dynamics in a Wannier Basis

Speaker

Guilmot Ernotte

16:24-16:30

Group discussion

16:30