

Session Program

18-23 Jun 2023



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2023 CAP Congress / Congrès de l'ACP 2023 (DCMMP) M3-8 Materials Physics | Physique des matériaux (DPMCM)

University of New Brunswick

Monday 19 June

16:00

(DCMMP) M3-8 Materials Physics | Physique des matériaux (DPMCM)

Session | **Location:** Rm. 214 (max. 60), UNB Kinesiology | **Convener:** Kristin Poduska

16:00–16:15

(G*) Diamond Nanothermometry Using a Machine Learning Approach

Speaker

Dylan Stone

16:15–16:30

(G*) Vibrational Modes in High-Configurational-Entropy Rocksalt Oxides

Speaker

Connor Wilson

16:30–16:45

WITHDRAWN - Nucleation kinetics in supercooled ZnSe: Computer simulation data corroborate the validity of the Classical Nucleation Theory

Speaker

Dr Leila Separdar

16:45–17:00

Stability of carbon-rich materials for climate-change-mitigation applications

Speaker

Kristin Poduska

17:00–17:15

Role of Dopant Structure and Strength in the p-Doping of Organic Semiconductors

Speaker

Prof. Ingo Salzmann

17:15–17:30

Optical Saturation Produces Spurious Evidence for Photoinduced Superconductivity in K_3C_{60}

Speaker

Steve Dodge

17:45