

## **Session Program**

**8-13 Jun 2025**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

**2025 CAP Congress / Congrès de l'ACP 2025**

***(DCMMP) M1-4 Quantum and Topological  
Matter | Matière quantique et topologique  
(DPMCM)***

Monday 9 June

10:15

(DCMMP) M1-4 Quantum and Topological Matter | Matière quantique et topologique (DPMCM)

Session

10:15-10:45    **Disordered Weyl semimetal as an array of coupled Hubbard chains**

**Speaker**  
Anton Burkov

10:45-11:15    **A New Kind of Symmetry: Rethinking Anomalies in Quantum Systems**

**Speaker**  
Wenjie Ji

11:15-11:30    **Unveiling Berry curvature contributions to Hall current in  $C_4K$  materials**

**Speaker**  
Tohid Farajollahpour

11:30-11:45    **Nanoscale defects as probes of time reversal symmetry breaking**

**Speaker**  
Dr Suman Jyoti De

11:45-12:00    **Pressure Dependence of Spin Stripe Order in Nd-LSCO ( $x=0.125$ )**

**Speaker**  
Patrick Clancy

12:00