

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024

***(DPP) T2-10 Plasma Material Synthesis |
Synthèse de matériaux par plasma (DPP)***

Western University

Tuesday 28 May

14:15

(DPP) T2-10 Plasma Material Synthesis | Synthèse de matériaux par plasma (DPP)

Session | **Location:** Physics & Astronomy Bldg., Western U., PAB Rm 36 (cap. 35) | **Convener:** Hans Höft

14:15–14:45

Exploring new regimes of plasma-graphene interactions by space- and time-resolved diagnostics

Speaker

Prof. Luc Stafford

14:45–15:15

Synchrotron Grazing Incidence X-ray Analysis of tungsten-based materials treated with high-fluence Plasma Immersion Ion Implantation (PIII) for fusion PFC studies

Speaker

Michael Bradley

15:15–15:30

(G*) MPCVD Diamond Films with varying Nitrogen Doping Times: Effect on NV Center Synthesis

Speaker

William Davis

15:30–15:45

(G) Remote-plasma synthesized few-layer tungsten semicarbide: the effect of strain

Speaker

Noah Stocck

15:45