



University  
of Victoria

Centre for Advanced Materials  
& Related Technology

# PCAMM 2022: *Advanced Manufacturing*

Saturday, December 10, 2022

## Schedule

9:15 - 10:10 am	Poster Setup, Coffee
10:10 - 10:15 am	Welcome! Rishi Gupta, UVic
10:15 - 10:30 am	Makhsud I. Saidaminov, UVic <i>Next Generation Photovoltaics</i>
10:30 - 11:00 am	Adam Clare, UBC <i>Adventures &amp; Misadventures with Electrochemical Jets</i>
11:00 - 11:15 am	Stefania Musolino, XlynX Materials & UVic <i>A Journey into the Use of Aryl Diazirines for Polymer Crosslinking</i>
11:15 - 11:30 am	Bosco Yu, UVic <i>The Mechanical Design and Structure-Property Relationships of Additive Manufactured Heterogeneous Cellular Materials (HCMs)</i>
11:30 am – 11:45 pm	Arthur Blackburn, UVic <i>Sub-Ångström Imaging in a Scanning Electron Microscope at 20 kV</i>
11:45-12:00	Matthew Mitchell, UBC <i>Photonic Wirebonding for Integration of III-V lasers with silicon photonics</i>
12:00 - 1:30 pm	Lunch and Poster Session

1:30 - 2:00 pm	Nemy Banthia, UBC <i>Adaptive, Functional and Bio-Mimicked Fibers for Modern Fiber Reinforced Concrete</i>
2:00 - 2:15 pm	Demelza Wright, UVic <i>Protein Tweezing: Optical Trapping Using Nanostructure-modified Fibre Optics</i>
2:15 - 2:30 pm	Boris Stoeber, UBC <i>Piezoelectric paper</i>
2:30- 2:45 pm	Loveleen Sharma, UVic <i>Feasibility of using different types of materials as fibers reinforcement for concrete structures</i>
2:45 - 3:15 pm	Michael Adachi, SFU <i>Asymmetric Geometry 2D MoS2 diodes for solar cell and sensing applications</i>
3:15 - 4:30 pm	Poster Session, Coffee
5:00 pm	Poster Awards