



Contribution ID: 76

Type: **Talk (preferred)**

Enhanced Photodetection with BP –Organic Hybrid

Monday, 12 December 2022 11:30 (15 minutes)

Tuning the charge transfer and optoelectronic properties of 2D materials such as black phosphorus (BP) by hybridising it with an organic semiconducting polymer.

Primary author: LOW, Mei Xian (RMIT University)

Co-authors: Dr DONG, Dashen (RMIT University); Prof. WILSON, Gregory (CSIRO); Prof. BHASKARAN, Madhu (RMIT University); Prof. SPENCER, Michelle J. S. (RMIT University); Mr TAYLOR, Patrick (RMIT University); Prof. SONAR, Prashant (Queensland University of Technology); Dr LIU, Qian (Southern University of Science and Technology); Prof. SRIRAM, Sharath (RMIT University); Dr TAWFIK, Sherif Abdulkader (Deakin University); Dr KURIAKOSE, Sruthi (Instituto de Ciencia de Materiales de Madrid); Prof. WALIA, Sumeet (RMIT University); Dr AHMED, Taimur (RMIT University); Dr YANG, Terry Chien-Jen (University of Cambridge)

Presenter: LOW, Mei Xian (RMIT University)

Session Classification: Conference on Optoelectronic and Microelectronic Materials and Devices

Track Classification: COMMAD: COMMAD: Emerging materials: 2D, oxide, organic, and perovskite materials