



Contribution ID: 42

Type: **Talk (preferred)**

Liquid metal-assisted synthesis of atomically thin indium nitride films featuring 2D electron gases

Thursday 15 December 2022 11:45 (15 minutes)

The work demonstrates the synthesis of ultrathin two-dimensional(2D) indium nitride(InN) films with few atom thicknesses and lateral dimensions exceeding centimeter-scale. The as-synthesized films feature 2D electron gases rendering them promising candidates for next-generation advanced optoelectronic devices and functional 2D heterostructures.

Primary author: SYED, Ms Nitu (The University of Melbourne)

Presenter: SYED, Ms Nitu (The University of Melbourne)

Session Classification: Conference on Optoelectronic and Microelectronic Materials and Devices

Track Classification: COMMAD: COMMAD: Advanced materials growth and synthesis