



# IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

<b>Session Title</b>	<b>Growth and Properties of 2D Materials</b>	<b>Session Code</b>	<b>Fr-E1</b>
<b>Date and Time</b>	<b>2018-08-24 / 8:30 - 10:30</b>		
<b>Place</b>	<b>Room E</b>		
<b>Session Chair</b>	<b>TBA</b>		

Fr-E1-1

8:30 - 9:00

## **[Invited]Growth of Graphene on Elemental Semiconductor and its Applications**

Jaehyun Lee  
Ajou Univ., Korea

Fr-E1-2

9:00 - 9:15

## **Surface Treatment of Black Phosphorus and its Derivative**

Jong-Young Lee, Jong Hun Kim, and Gwan-Hyoung Lee  
Yonsei Univ., Korea

Fr-E1-3

9:15 - 9:30

## **Effect of Vacuum Annealing on The Performance of Black Phosphorus Field-Effect Transistors**

Park Hyunik, Janghyuk Kim, Geonyeop Lee, Suhyun Kim, and Jihyun Kim  
Korea Univ., Korea

Fr-E1-4

9:30 - 9:45

## **Quasiparticle Properties of the Black Phosphorene**

I.V. Sankar and Euyheon Hwang  
Sungkyunkwan Univ., Korea

Fr-E1-5

9:45 - 10:00

## **Ultrathin Active-Matrix Organic-Light Emitting Diode Display Enabled by High Performance Al<sub>2</sub>O<sub>3</sub> Capped MoS<sub>2</sub> Field Effect Transistors**

Minwoo Choi and Jong-Hyun Ahn  
Yonsei Univ, Korea