



<b>Session Title</b>	<b>[TuC2] 2D Materials II</b>
<b>Date / Time</b>	July 3 (Tue.), 2018 / 13:30-15:30
<b>Room</b>	Room C (#107)
<b>Session Chair</b>	Sang Ouk Kim (KAIST, Korea)

**TuC2-I1 (Invited)**

**13:30-13:55**

**Dimensional Organic Structures for Energy Conversion and Storage**

Javeed Mahmood and Jong-Beom Baek  
*UNIST, Korea*

**TuC2-I2 (Invited)**

**13:55-14:20**

**Dirac Semimetal Phase of Two-Dimensional Black Phosphorus**

Hyoung Joon Choi  
*Yonsei Univ., Korea*

**TuC2-O3**

**14:20-14:35**

**Highly A Symmetric Photocurrent in Few-Layer WSe<sub>2</sub> Transistor Achieved by Site-Selective Dual Doping**

Seungpil Ko<sup>1</sup>, Junhong Na<sup>2</sup>, Young-Sun Moon<sup>1</sup>, Ute Zschieschang<sup>2</sup>, Rachana Acharya<sup>2</sup>, Hagen Klauk<sup>2</sup>, Gyu-Tae Kim<sup>1</sup>, Marko Burghard<sup>2</sup>, and Klaus Kemm<sup>2</sup>  
<sup>1</sup>*Korea Univ., Korea*, <sup>2</sup>*Max-Planck-Inst. for Solid-State-Research, Germany*

**TuC2-O4**

**14:35-14:50**

**Photoemission Surface Mapping of Single- and Poly-Crystalline Transition-Metal Dichalcogenides Monolayers**

Soohyung Park<sup>1</sup>, Thorsten Schultz<sup>1</sup>, Patrick Amsalem<sup>1</sup>, Ali Han<sup>2</sup>, Areej Aljarb<sup>2</sup>, Xiaomin Xu<sup>1</sup>, Paul Beyer<sup>1</sup>, Andreas Opitz<sup>1</sup>, Lain-Jong Li<sup>2</sup>, and Norbert Koch<sup>1</sup>  
<sup>1</sup>*Humbolt Univ. of Berlin, Germany*, <sup>2</sup>*KAUST, Saudi Arabia*

**TuC2-O5**

**14:50-15:05**

**Highly Efficient Visible-driven Photocatalytic Water Splitting of CdTe QDs anchored MoS<sub>2</sub> Nanosheets**

S. V. Prabhakar Vattikuti  
*Yeungnam Univ., Korea*

**TuC2-O6**

**15:05-15:20**

**In-Plane Anisotropy of Upper Critical Field in Layered Transition Metal Dichalcogenide NbSe<sub>2</sub>**

Syuma Yasuzuka<sup>1</sup>, Shinya Uji<sup>2</sup>, Shiori Sugiura<sup>2</sup>, Taichi Terashima<sup>2</sup>, Yoshio Nogami<sup>3</sup>, Koichi Ichimura<sup>4</sup>, and Satoshi Tanda<sup>4</sup>  
<sup>1</sup>*Hiroshima Inst. of Tech., Japan*, <sup>2</sup>*NIMS, Japan*, <sup>3</sup>*Okayama Univ., Japan*, <sup>4</sup>*Hokkaido Univ., Japan*

**TuC2-O7**

**15:20-15:35**

**Epitaxial, Wafer-Scale, Two-Dimensional Superconductor Encapsulated by Graphene**

Samuel (Alejandro) Lara-Avila<sup>1</sup>, Kyung Ho Kim<sup>1</sup>, Hans He<sup>1</sup>, Domenico Montemurro<sup>1</sup>, Olof Bäcke<sup>1</sup>, Mats Halvarsson<sup>1</sup>, Thomas Seyller<sup>2</sup>, Alexei Zakharov<sup>3</sup>, Rositsa Yakimova<sup>4</sup>, and Sergey Kubatkin<sup>1</sup>  
<sup>1</sup>*Chalmers Univ. of Tech., Sweden*, <sup>2</sup>*Chemnitz Technical Univ., Germany*, <sup>3</sup>*Lund Univ., Sweden*, <sup>4</sup>*Linköping Univ., Sweden*