

**[ThC3] 2D Materials and Devices**
**Date / Time** July 5 (Thu.), 2018 / 15:55-17:10

**Place** Room C (#107)

**Session Chair** Rolf. J. Haug (Leibniz Universität Hannover, Germany)  
Sang Wook Lee (Ewha Womans Univ., Korea)

**ThC3-01**

15:55-16:10

**Research towards New Architecture based on 2D Layered Materials**

 SungWon Kim, JeongHyun Na, Taewoo Uhm, Hyeonhu Bae, HoonKyung Lee, and Sung Ho Jhang  
*Konkuk Univ., Korea*
**ThC3-02**

16:10-16:25

**Probing The Defect Associated Exciton Dynamics in Quantum Dots of Atomically Thin Semiconductors**

 Bo-Hyun Kim<sup>1</sup>, Minho Jang<sup>2</sup>, Hyewon Yoon<sup>2</sup>, Sungjong Lee<sup>1</sup>, Yong-Hoon Cho<sup>2</sup>, Seokwoo Jeon<sup>2</sup>,  
and Sung-Ho Song<sup>3</sup>, Sunjong Lee<sup>1</sup>  
<sup>1</sup>KITECH, Korea, <sup>2</sup>KAIST, Korea, <sup>3</sup>Kongju Univ., Korea

**ThC3-03**

16:25-16:40

**Ultra-High Temperature Annealing Effects on The Mass Sensitivity of Graphene Mechanical Resonators**

 Dong Hoon Shin<sup>1</sup>, Hakseong Kim<sup>2</sup>, Min Hee Kwon<sup>1</sup>, and Sang Wook Lee<sup>1</sup>  
<sup>1</sup>Ewha Womans Univ., Korea, <sup>2</sup>KRISS, Korea

**ThC3-04**

16:40-16:55

**Funneling of Terahertz Waves through Van Der Waals Gaps Formed by Metal-Graphene-Metal Junction**

 Young-Mi Bahk  
*Incheon Nat'l Univ., Korea*
**ThC3-05**

16:55-17:10

**New Application of Quantum Behavior in A Graphene Device**

 Haeyong Kang<sup>1</sup>, Jeongmin Park<sup>2</sup>, Kyeong Tae Kang<sup>2</sup>, Wooseok Choi<sup>2</sup>, and Dongseok Suh<sup>2</sup>  
<sup>1</sup>Pusan Nat'l Univ., Korea, <sup>2</sup>Sungkyunkwan Univ., Korea