**TPS-KPS Joint Workshop on Emergent Semiconductor Physics**

(SC157)

Chairs: **Wen-Hao Chang/ Yongmin Kim**

9:00 - 9:10 Opening: **Wen-Hao Chang/ Yongmin Kim**

9:10 - 9:25 **Jong Su Kim**  
Department of Physics, Yeungnam University, Korea  
*Fabrication of III-V Compound Semiconductor Quantum Nanostructures by Droplet Epitaxy on Lattice Matched Systems*

9:25 - 9:40 **Shih-Yen Lin**  
Research Center for Applied Sciences, Academia Sinica, Taiwan  
*Coupled Nano-structures and 2D Material Hetero-structrues*

9:40 – 9:55 **Kwangseuk Kyhm**  
Department of Opto-mechtronics, Department of Physics Education, Pusan National University, Korea  
*Quantum coherence in a single quantum ring*

9:55-10:10 **Doo Jae Park**  
Department of Physics and Department of Energy Systems Research, Ajou University, Suwon 16499, Korea  
*Ultrafast Strong-Field Tunneling Emission in Graphene Nanogaps*

10:10-10:25 **Kung-Hsuan Lin**  
Institute of Physics, Academia Sinica, Taiwan  
*Mn-doped GaN studied by ultrafast optical spectroscopy*

10:25-10:40 **Dong-Wook Kim**  
Department of Physics, Ewha Womans University, Korea  
*Beneficial roles of nanostructures in enhanced optical absorption and photo-carrier collection*

10:40-10:55 **Young-Mi Bahk**  
Department of Physics, Incheon National University, Korea  
*Enhanced nonlinear response by surface carrier excitation of metal-patterned semiconductors*

10:55-11:10 **Kuo-Ping Chen**  
Institute of Imaging and Biomedical Photonics, National Chiao Tung University, Taiwan  
*Optical Emitters with Tamm Plasmon Polaritons*