2019 Summer vacation
CCES Regular Seminar

Bldg. 19, Rm. 210, Seoul National University

**July 19**
11:15-12:30
Prof. Mikito Koshino
Department of Physics, Osaka University
*Physics of twisted bilayer graphenes and van-der Waals superlattices*

**August 9**
10:00-12:30
Prof. Pu Yu
Department of Physics, Tsinghua University / RIKEN-CEMS
*Electric Field Control of Ionic Evolution within Complex Oxides*

**August 16**
10:00-12:30
Prof. Ji Hoon Shim
Department of Chemistry, POSTECH
*The role of Hund's coupling in metal insulator transition*

**August 30**
10:00-12:30
Dr. Ara Go
IBS Center for Theoretical Physics of Complex Systems
*Majorana fermions and topological transitions in Kitaev material α-RuCl₃*

**August 16**
10:00-12:30
Prof. Chang-Beom Eom
Department of Materials Science and Engineering, University of Wisconsin-Madison
*Point Defect Control of Oxide-based Quantum Heterostructures*

**August 30**
10:00-12:30
Prof. Jae-Hoon Park
Department of Physics, POSTECH
*Unusual magnetic behaviors in quasi-2D and quasi-1D magnets*
# 2019 2nd Semester
## CCES Regular Seminar

**Bldg. 19, Rm. 210, Seoul National University**
**11:15 AM - 12:30 PM, Friday**

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<td>Prof. Takami Tohyama</td>
<td>Department of Applied Physics, Tokyo University of Science</td>
<td>Novel phases in the Kitaev-Heisenberg and frustrated Heisenberg models</td>
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<td>September 27</td>
<td>Prof. Hyunyong Choi</td>
<td>Department of Physics, Seoul National University</td>
<td>Ultrafast optical studies of spin-valley physics in van der Waals heterostructures</td>
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<td>October 11</td>
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<td>Department of Physics, POSTECH</td>
<td>Pattern engineering of octahedral rotations creates room-temperature ferroelectricity in perovskite oxides</td>
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<td>November 1</td>
<td>Dr. Sae Hwan Chun</td>
<td>PAL-XFEL Beamline Division, Pohang Accelerator Laboratory</td>
<td>Resonant elastic and inelastic X-ray scattering studies on honeycomb iridates, A2IrO3 (A = Na, Li) of Kitaev spin liquid candidates</td>
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<td>November 15</td>
<td>Prof. Yeongkwan Kim</td>
<td>Department of Physics, KAIST</td>
<td>Interaction between charge density wave fluctuation and electron</td>
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<td>Department of Physics, KAIST</td>
<td>Exotic Phases and Phase Transitions in Pyrochlore Systems</td>
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<td>December 13</td>
<td>Prof. Justin Song</td>
<td>Division of Physics and Applied Physics, Nanyang Technological University Singapore</td>
<td>Spontaneous Berry flux generation and collective mode magnetism</td>
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<td>December 27</td>
<td>Prof. Dohun Kim</td>
<td>Department of Physics, Seoul National University</td>
<td>Electron and nuclear spin control in semiconductors: progress towards robust environment Hamiltonian engineering</td>
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