

DAEGEUN JO

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EDUCATION

Ph.D. student in physics

Pohang University of Science and Technology

📅 2017 – current

Advisor: Prof. Hyun-Woo Lee

Research project: Geometrical phase effects and orbital physics in magnetic nanostructures

B.S. in physics

Hanyang University

📅 2017

EXPERIENCE

Teaching Assistant

Pohang University of Science and Technology

📅 2017 – 2018

📍 Pohang, Republic of Korea

- 2018 Analytical Mechanics for graduate students
 - 2017 General Physics II for undergraduate students
 - 2017 General Physics Lab. I for undergraduate students
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Military Service

Weather Group of Republic of Korea Air Force

📅 2012 – 2014

📍 Republic of Korea

- Discharged at the rank of sergeant
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AWARDS & HONORS

- 2018 Global Ph.D. Fellowship (funded by National Research Foundation)
 - 2011 National Science & Technology Scholarship (funded by Korea Student Aid Foundation)
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PUBLICATIONS

- D. Jo, D. Go, and H.-W. Lee, “Gigantic intrinsic orbital hall effects in weakly spin-orbit coupled metals”, Phys. Rev. B **98**, 214405 (2018).
- D. Go, D. Jo, C. Kim, and H.-W. Lee, “Intrinsic spin and orbital hall effects from orbital texture”, Phys. Rev. Lett. **121**, 086602 (2018).

PRESENTATIONS

Oral

- "Giant intrinsic orbital Hall effects in weakly spin-orbit coupled metals", American Physical Society March Meeting 2019, Boston, USA, Mar. 4-8, 2019
 - "Intrinsic Orbital Hall Effects in Elemental Solids", 11th BK21+ Young Physicists Workshop, Pohang, Korea, Feb. 14-15, 2019
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Poster

- "Giant Intrinsic Orbital Hall Effects in Light Metals", 15th SRC Winter Workshop on Topological Matter, Pohang, Korea, Jan. 30-31, 2019
- "Gigantic intrinsic orbital Hall effects in weakly spin-orbit coupled materials", International School on Spintronics and Korea-Japan Spintronics Workshop, Nagoya, Japan, Jan. 21-22, 2019
- "Giant intrinsic orbital Hall effects in weakly spin-orbit coupled systems", 2018 Korean Physical Society Fall Meeting, Changwon, Korea, Oct. 24-26, 2018