

Hyunho Cho

- M.S. course
 - Mechanical Engineering
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 - Research interest:
 1. Semiconductor thermal management system
 2. Design optimization schemes with machine-learning based surrogate model
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Academic Experiences

Korea Advanced Institute of Science and Technology (KAIST) M.S. (2022.03 – Present)

Sogang University B.S. (2015.03 – 2022.02)

Journal Publications:

Conference Presentations:

- 1) **Hyunho Cho**, Insik Lee, Seungwoo Kim, Soosik Bang, Jaechoon Kim and Youngsuk Nam, “Multi-objective design optimization of direct liquid cooling system for multi-chip semiconductor package using active learning”, *KSME Spring Conference*, Korea, Apr 19-22, 2023.
- 2) **Hyunho Cho**, Insik Lee, Seungwoo Kim, Soosik Bang, Jaechoon Kim and Youngsuk Nam, “An active learning approach to performance optimization of jet impingement – based cooling module for chiplet semiconductor package”, *KSFM Summer Conference*, Korea, July 5-7, 2023.
- 3) **Hyunho Cho**, Insik Lee, Seungwoo Kim, Soosik Bang, Jaechoon Kim and Youngsuk Nam, Optimization of thermal management performance of direct liquid cooling module for chiplet packages using active learning and hierarchical exploration, *KSFM Winter Conference*, Korea, Nov 29 - Dec 1, 2023

Award:

Patent

Research Topics:

1) Semiconductor thermal management system

2) Design optimization schemes with machine-learning based surrogate model