**Donghyun Son**

Current Program: Masters

Department of Naval Architecture and Ocean Engineering

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Education

M. Sc., Naval Architecture and Ocean Engineering/Smart Ocean Mobility (Double Major), Seoul National University (SNU), S. Korea, 2024.03-Present

Advisor : Youngsub Lim

B. Sc., Naval Architecture and Ocean Engineering, University of Ulsan (UOU), S. Korea, 2024.02

Project and Research Experience

|  |  |  |
| --- | --- | --- |
| Project | Duration | Partner |
| Estimation of Composition Changes in Liquefied Gases | 2024.01.01-2024.07.31 | Korea shipbuilding & offshore engineering (KSOE) |

Research Interests

Process Design, Modeling, Simulation, Dynamics and Optimization

* Ship Cargo Handling System
* Alternative fuels for greenhouse gas reduction (Liquid natural gas, Hydrogen)

Selected Presentations

* Oral: **Donghyun Son**, Youngsub Lim, “LNG 수위에 따른 계면 온도 추정 모델” 한국해양공학회, Mokpo, S. Korea, October 09-11, 2024

Training

* AspenTech Training Course: Aspen HYSYS Dynamics: Introduction to Dynamic Modeling, 2024

Computer skills

* Program: Aspen HYSYS, Aspen Dynamics

: Matlab

: MicroSoft Excel VBA

: MicroSoft (Excel, Word, PowerPoint etc)

PATENTS

* **Daun Jung, Donghyun Son, et al.** "선박용 수소저장장치," Republic of Korea Patent No. KR10-2740666, December 5, 2024.

References

ASOPEL (Advanced Ship and Offshore Process Engineering Lab)

Professor Lim, Youngsub

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