

Yunju Jeon

Current Program: Masters

Department of Naval Architecture and Ocean Engineering

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EDUCATION

M. Sc., Naval Architecture and Ocean Engineering, Seoul National University (SNU), S. Korea, 2024.09-Present

Advisor : Youngsub Lim

B. Sc., Naval Architecture and Ocean Engineering, Seoul National University (SNU), S. Korea, 2024.08

CAREER

QUALIFICATION, LICENSURES

AWARDS

- Best Oral Presentation Award, The Society of Naval Architects of Korea, 2024

TEACHING EXPERIENCE

Teaching Assistant, SNU

- Ocean Thermodynamics, Autumn 2024

PROJECT AND RESEARCH EXPERIENCE

Project	Duration	Partner
Development of next-generation liquefied gas supercooling system	2023.05-2023.12	Korea Shipbuilding & Offshore Engineering Co., Ltd. (KSOE)
KR-EU establishment of a research base for advanced marine mobility and joint research	2024-2028	KRSIO

RESEARCH INTERESTS

Process Design, Modeling, Simulation, Dynamics and Optimization

Cost evaluation, Life Cycle Assessment

- BOG control & Ship Cargo Handling System
- Renewable fuels for greenhouse gas reduction (ammonia, hydrogen)
- Greenhouse gas emission regulation (carbon tax, FuelEU maritime)

SELECTED PRESENTATIONS

- Oral: **Yunju Jeon**, Youngsub Lim, “Energy evaluation of CO₂ BOG re-liquefaction system considering tank behavior”
2024 SNAK Fall Meeting, Changwon, S. Korea, November 14-15, 2024

TRAINING

- AspenTech Training Course: Design and Rate Shell and Tube Heat exchangers, 2024
- AspenTech Training Course: Aspen HYSYS Dynamics: Introduction to Dynamic Modeling, 2024

COMPUTER SKILLS

- Program: Aspen Plus, Aspen HYSYS,
: MATLAB, Python
: MicroSoft (Excel, Word, PowerPoint etc)

REFERENCES

ASOPEL (Advanced Ship and Offshore Process Engineering Lab)

Professor Lim, Youngsub

- Professor
- Naval Architect and Ocean Eng., Seoul National University, 1 Gwanak-ro, Gwanak-gu, Seoul, 08826, Republic of Korea
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