

Yoonje Rah

Current Program: Masters

Department of Naval Architecture and Ocean Engineering

College of Engineering, Seoul National University

Bldg34 Rm302, 1 Gwanak-ro, Gwanak-gu, Seoul, 08826, Republic of Korea

Tel. +82-2-880-7339

+82-10-2460-9869

Email albert23@snu.ac.kr

EDUCATION

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

Advisor : Youngsub Lim

B. Sc., Naval Architecture and Ocean Engineering, Seoul National University (SNU), S. Korea, 2024.02

CAREER

QUALIFICATION, LICENSURES

AWARDS

TEACHING EXPERIENCE

Teaching Assistant, SNU

- Environment-Friendly Ship and Offshore Process Systems Design, Spring 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)
Feasibility evaluation and development of methanol and ammonia synthesis process	2024.04-2024.10	Samsung Heavy Industries Co., Ltd. (SHI)
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

- Renewable fuels for greenhouse gas reduction (ammonia, hydrogen)
- Greenhouse gas emission regulation (carbon tax, FuelEU maritime)

SELECTED PRESENTATIONS

TRAINING

COMPUTER SKILLS

- Program: Aspen Plus, Aspen HYSYS,
 - : GREET (Life cycle assessment)
 - : Matlab,
 - : 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
- Tel: +82-2-880-7325
- E-mail: s98thesb@snu.ac.kr