

# Soye Choung

MOBILE (+82) 10-8912-7346  
EMAIL [jsoye1026@snu.ac.kr](mailto:jsoye1026@snu.ac.kr)  
DEPARTMENT Naval Architecture and Ocean Engineering, College of Engineering  
LABORATORY Advanced Ship and Offshore Process Engineering Lab(ASOPEL)  
ADDRESS NAOE 34-301, Gwanak-ro 1, Gwanak-gu, Seoul, South Korea  
WEBSITE <http://asopel.snu.ac.kr/>

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## <Academic background>

- M. Sc., Naval Architecture and Ocean Engineering, Seoul National University, South Korea, 2024/09 – Present
- B. Sc., Naval Architecture and Ocean Engineering, Inha University, South Korea, 2019/03 – 2024/02

## <Training>

- Aspen HYSYS Dynamics: Introduction to Dynamic Modeling (EHY 223), 2024
- Essentials of Aspen HYSYS and Carbon Capturing Techniques for Sustainability Modeling (CEHY 2202), 2024

## <Certificates>

- Computer Specialist in Spreadsheet & Database Level-1, 2022

## <Computer Skills>

- Aspen Plus
- Aspen Hysys
- Matlab
- Greet (Life Cycle Assessment)
- MS Access, Excel, Powerpoint, Word, etc.

### <Research Experience>

Project	Term	Partner	Co-Investigator
K-EU Development of an Energy-Efficient Onboard Carbon Capture System	2024.04 – 2028.12	KRISO	Hongkyoung, Shin Ijun, Jeong Juyoung, Oh
Verification of Parameters for Optimal Design of Carbon Capture System	2024.10 – Present	Samsung Heavy Industries Co., Ltd. (SHI)	Hongkyoung, Shin Ijun, Jeong

### <Research Interests>

- Steady-State/Dynamic Process design, Cost evaluation, Process optimization, Life Cycle Assessment (LCA)

- ✓ CO<sub>2</sub> capture, Onboard storage, Transportation and Liquefaction process (CCS)
- ✓ Alternative fuels for shipping

### <Teaching Experience>

- Teaching Assistance, SNU

- ✓ Ocean Thermodynamics, Autumn 2024

### <References>

Advanced Ship and Offshore Process Engineering Lab

Professor Lim, Youngsub

- Professor

- Naval Architecture and Ocean Eng, Seoul National Univ, Gwanak-ro 1, Gwanak-gu, South Korea

- Tel: (+82) -2-880-7325

- E-mail: s98thesb@snu.ac.kr