

# In Je Yi

## PERSONAL DATA

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Graduate Student  
March Lab., Department of Mechanical Engineering,  
Pohang University of Science and Technology (POSTECH)  
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NATIONALITY South Korea  
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## RESEARCH INTERESTS

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### Control theory and robot manipulator control

- NRIC(Nonlinear Robust Internal-loop Compensator) framework
- Hierarchical compliance control
- Hybrid force/impedance control
- Passivity-based control via energy tanks

### DOB-based control of EHSS(Electro-Hydraulic Rotary Servovalve)

## EDUCATION & INTERNSHIP & STUDYING ABROAD

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2020.09- Graduate student, Master course  
Advisor: Prof. Kee hoon KIM  
Pohang University of Science and Technology (POSTECH), Pohang, Korea  
2015.03-2020.08 B.S., Department of Mechanical Engineering, Yeungnam University  
B.S., Department of Green Energy Engineering, Yeungnam University  
2018.12-2019.02 Language study abroad, The University of Adelaide, Australia

## AWARDS AND HONORS

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2020.08 Summa cum laude with Chairman Award (the top of the university)  
2015.03-2020.08 Full scholarship student (21st century Cheonma special scholarship)

## RESEARCH EXPERIENCE

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2020.02-2020.07 "스티어링 드라이브라인 수학적 모델 개발", Hyundai Motor-DGIST-YU  
2019.07-2020.07 VDMC lab member, Yeungnam University, Korea

## PUBLICATIONS

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### Journal Articles

1. Jun Su Kang In Je Yi, Wan Kyun Chung, Kee Hoon Kim "비정돈 환경의 표면 소독을 위한 실현성 예측 기반의 장애물 제거 계획법 및 접촉식 방역 로봇 시스템," *Journal of Korea Robotics Society*.

## LANGUAGES, SKILLS AND ABILITIES

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Languages    Korean  
                  English  
Computer    MATLAB, C/C++, SolidWorks, Python, ROS, CoppeliaSim, AMESIM  
Skills  
              ETC.    Book Discussion Club, Movie Club, Junior Mentoring Program

## INTERESTS AND ACTIVITIES

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Watching movies, Painting, Running, Board games