

Won Woo CHO

PERSONAL DATA

Graduate Student

MARCH Lab., Department of Mechanical Engineering,
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RESEARCH INTERESTS

Prosthesis for Amputee

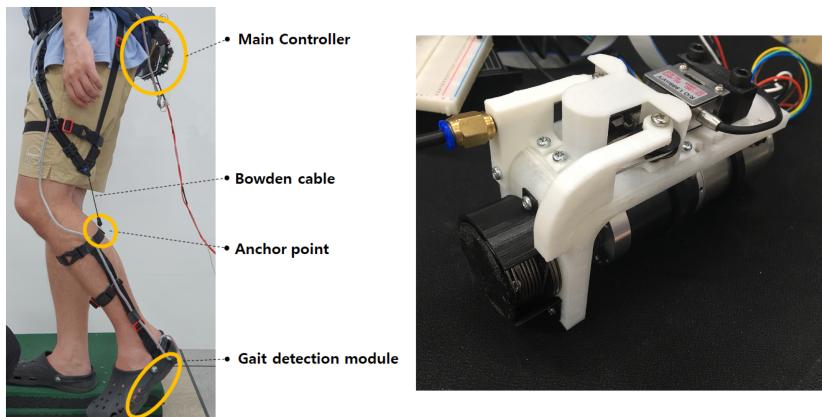
- Motion intention recognition with sEMG signals
- Kinematics and dynamics design based on ergonomics

Exoskeleton for rescue workers for safe and effective operations

- Fast and accurate intention detection of dynamic motions and postures
- Kinematic Mechanism
- Actuator (e.g. hydraulic, motor, ⋯)
- Control Methods (e.g. Time-delayed feedback control, Impedance control, ⋯)

EDUCATION & INTERNSHIP & STUDYING ABROAD

2020.03-	Graduate student, Master course Advisor: Prof. Kee Hoon KIM
2014.02-2020.02	Kookmin University (KMU), Seoul, Korea B.S., Mechanical Systems Engineering, KMU GPA: 4.08/4.50 percentile rank 95.2
2019.07-2019.08	Internship, <i>Rehabilitation Lab. (KAIST)</i> Advisor: Prof. Hyung Soon PARK Design of Wearable Suit for Knee Flexion with Cable-Driven Mechanism



2019.03-2019.07 Capstone Design Lecture, (KMU) Advisor: Prof. Baek Kyu CHO
Pneumatic Exosuit for Sit to Stand Motion



2019.01-2019.02 Internship, Robotics Lab. (POSTECH) Advisor: Prof. Wan Kyun CHUNG

PUBLICATIONS

Selected Domestic Journal and Conference

1. Yusung Kim, Seonghyeon Jo, **Wonwoo Cho**, and Hyung-soon Park, "Design of Wearable Suit for Knee Flexion with Cable-Driven Mechanism," in *2020 15th Korea Robotics Society Annual Conference*.(accepted)

LANGUAGES, SKILLS AND ABILITIES

Languages	Korean (mother tongue) English (TOEFL 90) Japanese (JLPT N2)
Computer Skills	C/C++, MATLAB, Python, SolidWorks, Fusion 360, L ^A T _E X Adobe Premiere Pro, Final Cut Pro, Procreate, Logic Pro X
Hardware & Equipment	sEMG sensors (Thalmic MYO) Embedded - Arduino, Raspberry Pi
ETC.	새날(KMU Band Club)

INTERESTS AND ACTIVITIES

Music(Guitar, Band, Composition), Fashion, Games(League of Legend, Tekken, ⋯)