

Won Woo CHO

PERSONAL DATA

Graduate Student

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RESEARCH INTERESTS

Prosthesis for Amputee

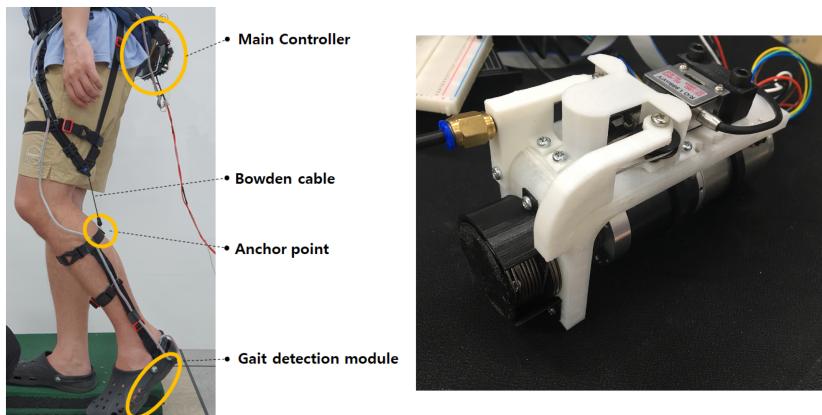
- Motion intention recognition with sEMG signals
- Ergonomic kinematic mechanism

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

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|-----------------|---|
| 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

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|----------------------|---|
| 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, ⋯)