

Kibum Jung

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Education

- 2020.3–22.2 **Masters of Mechanical Engineering,**
Kyungpook National University.
Advisor: Prof. Seung-Han Yang
- 2020.12–21.5 **Visiting Scholar,**
Purdue University.
- 2014.3–20.02 **Bachelor of Mechanical Engineering,**
Kyungpook National University.

Research Area

- Intelligent manufacturing systems and manufacturing optimization

Publications

1. **Kibum Jung**, Sung Hwan Kweon, Martin Byung-Guk Jun, Young Hun Jeong, Seung-Han Yang. “CNN-based Human Recognition and Extended Kalman Filter-based Position Tracking Using 360° LiDAR” *Journal of the Korean Society for Precision Engineering* 8, 575 - 582 (2022).

Conferences

- July. 2022 **International Conference on Precision Engineering and Sustainable Manufacturing (PRESM 2022)**, Jeju Island
(Poster) **Kibum Jung**, Sung Hwan Kweon, Kwang-II Lee, Seung-Han Yang,
-Prediction of Thermal Induced Error of a Stage by External Heat Source using a Thermal Imaging Camera and ANN Model
- May. 2022 **European Society for Precision Engineering and Nanotechnology (EUSPEN 2022)**, Geneva, Swiss
(Poster) **Kibum Jung**, Sung Hwan Kweon, Kwang-II Lee, Seung-Han Yang,
-Study on Environmental Thermal Induced Error Modelling of a Stage based on Artificial Neural Network

- May. 2022 **Spring conference of Korean Society for Precision Engineering (KSPE)**, Jeju Island
(Poster) **Kibum Jung**, Sung Hwan Kweon, Martin Byung-Guk Jun, Young Hun Jeong, Seung-Han Yang
-CNN-based Human Recognition and Extended Kalman Filter-based Position Tracking Technique using 360° LIDAR
- Nov. 2021 **Fall Conference of Korean Society for Precision Engineering (KSPE)**, Busan
(Poster) **Kibum Jung**, Sung Hwan Kweon, Seung-Han Yang
-Environmental Thermal Induced Error Modelling of a Stage using Artificial Neural Network
- July. 2021 **International Conference on Precision Engineering and Sustainable Manufacturing (PRESM 2021)**, Online
(Oral) Kyeongeun Song, Martin Byung-Guk Jun, **Kibum Jung**, Xingyu Fu, Gyuho Kim, Byung-Kwon Min
-The Geometrical Predictions of Machining Defects in CFRP Milling
- May. 2021 **Spring conference of Korean Society for Precision Engineering (KSPE)**, Online
(Poster) **Kibum Jung**, Huitaek Yun, Jin-Ho Park, Sung Hwan Kweon, Martin Byung-Guk Jun, Young Hun Jeong, Seung-Han Yang
-사람-로봇 협업을 위한 라이다 센서의 사람 인식 방안 개발
- Sep. 2020 **Spring conference of Korean Society for Precision Engineering (KSPE)**, Online
(Poster) **Kibum Jung**, Sung Hwan Kweon, Seung-Han Yang
-하중 변동에 의한 공기 베어링 스테이지의 변위 보정 시스템 연구