

Wonkeun Jo

PH.D. STUDENT OF THE CHUNGNAM NATIONAL UNIVERSITY

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Education

Chungnam National University

PH.D. IN COMPUTER SCIENCE & ENGINEERING

- Received funding that was supported by Basic Science Research Program through the National Research Foundation of Korea (NRF) by the Ministry of Education.
- Received the BK-21 scholarship.

Daejeon, S.Korea

Mar. 2021 - Present

Chungnam National University

M.S. IN COMPUTER SCIENCE & ENGINEERING

- Received the BK-21 scholarship

Daejeon, S.Korea

Mar. 2019 - Feb. 2021

Chungnam National University

B.S. IN PHYSICS

Daejeon, S.Korea

Mar. 2011 - Aug. 2018

Paper

OBGAN: minority oversampling near borderline with generative adversarial networks

EXPERT SYSTEMS WITH APPLICATIONS (SCIE, IF=8.665, Q1, TOP 10%)

2022

Wonkeun Jo, and Dongil Kim

Solar Event Detection Using Deep-Learning-Based Object Detection Methods

SOLAR PHYSICS, VOL. 296, 160 (SCIE, IF=2.671, Q2)

2021

Ji-Hye Baek, Sujin Kim, Seonghwan Choi,
Jongyeob Park, Jihun Kim, **Wonkeun Jo**,
& Dongil Kim

International conference

The explainable neural networks for nowcasting

INFORMS ANNUAL MEETING 2022

Oct. 2022

Wonkeun Jo, and Dongil Kim

Prediction of tool wear based on machine learning for cutting force

INFORMS ANNUAL MEETING 2022

Oct. 2022

Hoguen Koo, Soomin Lee, **Wonkeun Jo**,
Hyein Kim, Jeongin Koo, Juheon Kwak,
and Dongil Kim

Machine learning-based sleep quality prediction with body signal data

INFORMS ANNUAL MEETING 2022

Oct. 2022

Hyojeong Kang, Juheon Kwak,
Wonkeun Jo, and Dongil Kim

Cutting force similarity calculation in milling process using siamese LSTM structure

THE 11TH INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY AND MANAGEMENT (ICITM)

Feb. 2022

Juheon Kwak, **Wonkeun Jo**, Soomin Lee,
Hyein Kim, Jeongin Koo, and Dongil Kim

Blood pressure prediction based on deep learning with PPG and ECG signal data

INFORMS ANNUAL MEETING 2021

Oct. 2021

Junwon Park, **Wonkeun Jo**, Hogeun
Koo, Hyungtaik Oh, Kyhyup Oh, and
Dongil Kim

Deep learning-based cutting force prediction with machining process monitoring data

INFORMS ANNUAL MEETING 2021

Oct. 2021

Soomin Lee, **Wonkeun Jo**, Dongil Kim,
Hyein Kim, and Jeongin Koo

Improvement of class imbalanced classification performance with generative adversarial network

INFORMS ANNUAL MEETING 2020

Nov. 2020

Wonkuen Jo, Dongil Kim

Domestic conference

특징 추출과 딥러닝을 활용한 항원 결정기 예측

KOREAN DATABASE CONFERENCE 2022

Both authors equally contributed.

Neural additive models for nowcasting

KOREA DATA MINING SOCIETY CONFERENCE 2022

Sleep Quality Prediction with E4 Wireless Dataset based on Machine Learning

KOREA CONGRESS CONGRESS 2022 (KCC2022)

Interpretable Neural Network for Time Series Nowcasting

KOREA CONGRESS CONGRESS 2022 (KCC2022)

Recommendation System Based on Graph Collaborative Filtering Using Explicit Information

KOREA SOFTWARE CONGRESS 2021 (KSC2021)

Hybrid Sequential Recommendation System Using k-NN and Graph Neural Networks

KOREA SOFTWARE CONGRESS 2021 (KSC2021)

Milling tool wear prediction based on sensor and time-series feature extraction

KOREA SOFTWARE CONGRESS 2021 (KSC2021)

Methodology of Cutting Force Similarity Calculation in Milling Process using Siamese LSTM Structure

KOREA SOFTWARE CONGRESS 2021 (KSC2021)

Deep learning-based cutting force prediction with machining process monitoring data

KOREA COMPUTER CONGRESS 2021 (KCC2021)

Blood pressure prediction based on deep learning with PPG and ECG

KOREA COMPUTER CONGRESS 2021 (KCC2021)

Machine learning-based elderly depression prediction with pattern-of-life data

KOREA SOFTWARE CONGRESS 2020 (KSC2020)

Intelligent data generation with generative adversarial nets for class-imbalanced problems

KOREA COMPUTER CONGRESS 2020 (KCC2020)

Nov. 2022

Jungmin Ha, **Wonkeun Jo**, and
Youngkook Kim

Nov. 2022

Wonkeun Jo, and Dongil Kim

Aug. 2022

Hyojeong Kang, Juheon Kwak,
Wonkeun Jo, and Dongil Kim

Aug. 2022

Wonkeun Jo, and Dongil Kim

Dec. 2021

Hyungtaik Oh, **Wonkeun Jo**, and Dongil
Kim

Dec. 2021

Hogeun Koo, Soomin Lee, **Wonkeun Jo**,
and Dongil Kim

Dec. 2021

Wonkeun Jo, Hogeun Koo, Hyein Kim,
Jeongin Koo, and Dongil Kim

Dec. 2021

Juheon Kwak, **Wonkeun Jo**, Soomin Lee,
Hyein Kim, Jeongin Koo, and Dongil Kim

Jun. 2021

Soomin Lee, **Wonkeun Jo**, Hyein Kim,
Jeongin Koo, and Dongil Kim

Jun. 2021

Junwon Park, **Wonkeun Jo**, Kyhyup Oh,
and Dongil Kim

Dec. 2020

Soomin Lee, Seonyoung Kim, **Wonkuen
Jo**, Junyoung Choi, Hyungshin Kim,
Dongil Kim

Jul. 2020

Wonkuen Jo, Dongil Kim