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**Research interests** Multi-modal, Audio-Language, Speech Synthesis, Machine Learning, Deep Learning

**Education** **Seoul National University** Seoul, Korea  
Ph.D in Intelligence and Information Sep. 2020 – Present  
Advisor: Prof. Kyogu Lee

**Sookmyung Women's University** Seoul, Korea  
M.S in Computer Science Mar. 2015 – Feb. 2017  
Advisor: Prof. Yoonhee Kim

**Sookmyung Women's University** Seoul, Korea  
B.S in Mathematics and Computer Science Mar. 2010 – Feb. 2015

**Work Experiences** **Korea Institute of Patent Information** Daejeon, Korea  
Researcher Aug. 2017 – Aug. 2020

**Korea Institute of Patent Information** Daejeon, Korea  
Intern Apr. 2017 – Aug. 2017

**Honors and scholarships** Teaching assistance scholarship (Seoul National University) 2024  
Brain Korea 21 Plus scholarship 2020 - 2023  
Bronze Award (12th open source software developer competition) 2018. 11  
Best Presentation Award (KIISE, KSC 2016) 2017. 01  
Bronze Best Paper Award (IEEE Student Paper Contest) 2016. 12  
Grand Prize (2015 Convergence App Contest ) 2015. 12  
Best Paper Award (KSII 2015) 2015. 10

**Publications** [International Conferences](#)  
**Hear Your Face: Face-based voice conversion with F0 estimation**  
Jaejun Lee, **Yoori Oh**, Injune Hwang and Kyogu Lee  
*INTERSPEECH, 2024*

**Distance Sampling-based Paraphraser Leveraging ChatGPT for Text Data Manipulation**  
**Yoori Oh\***, Yoseob Han\* and Kyogu Lee  
*ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), 2024*

**Semi-supervised Learning for Continuous Emotional Intensity Controllable Speech Synthesis with Disentangled Representations**

**Yoori Oh**, Juheon Lee, Yoseob Han and Kyogu Lee

*INTERSPEECH, 2023*

**Exploring Train and Test-Time Augmentations for Audio-Language Learning**

Eungbeom Kim\*, Jinhee Kim\*, **Yoori Oh**, Kyungsu Kim, Minju Park, Jaeheon Sim, Jinwoo Lee and Kyogu Lee

*arxiv, 2022*

**A Hybrid Cloud Resource Clustering Method Using Analysis of Application Characteristic**

**Yoori Oh** and Yoonhee Kim

*IEEE 2nd International Workshops on Foundations and Applications of Self\* Systems (FAS\*W), 2017*

**A SLA-based Spark Cluster Scaling Method in Cloud Environment**

**Yoori Oh**, Jieun Choi, Eunjung Song, Moonji Kim and Yoonhee Kim

*18th Asia-Pacific Network Operations and Management Symposium (APNOMS), 2016*

[International Journals](#)

**A Resource Recommendation Method based on Dynamic Cluster Analysis of Application Characteristics**

**Yoori Oh** and Yoonhee Kim

*Cluster Computing, 2019*

[Domestic Conferences](#)

**Hybrid Approach Combining Deep Learning and Rule-Based Model for Automatic IPC Classification of Patent Documents**

Yongil Kim, **Yoori Oh**, Woochul Sim, Bongsoo Ko and Bonggun Lee

*KIISE, HCLT 2019*

**Core Syntax Extraction Method considering Characteristics of Claims for Building Patent Knowledge Base**

Jaeok Min, **Yoori Oh**, Bonggun Lee and Yoonho Jung

*KIISE, KSC 2018*

**A Comparative Analysis for the Extraction of Similar Patent Claims based on Word Embedding**

**Yoori Oh**, Jaeok Min, Yongil Kim, Daejung Kim, Yongkyun Park and Bonggun Lee

*KIISE, KSC 2017*

**A Design of Software-Defined Computing Platform for Scientific Experiments over Hybrid Resources**

Julim Ahn, Jieun Choi, **Yoori Oh**, Seoyoung Kim and Yoonhee Kim

*KIISE, KCC 2017*

**An Adaptive Data Placement Strategy for Data-Intensive Scientific Applications**

Heewon Kim, **Yoori Oh**, Jieun Choi, Seoyoung Kim and Yoonhee Kim

*KIISE, KCC 2017*

**A Cloud Resource Classification Method using Analysis of Application Characteristic Clustering**

**Yoori Oh** and Yoonhee Kim

*KIISE, KSC 2016*

**Autoscaling Method based on SLA of Spark Clusters**

**Yoori Oh**, Jieun Choi and Yoonhee Kim

*KNOM 2016*

**A Design of Personal Chronic Disease Feedback System Using Analysis of Diet**

Youngran Jeon, **Yoori Oh**, Jieun Choi, Jieun Lee and Yoonhee Kim

*KIISE, KSC 2016*

**A Design of Personalized Daily Nutrition Feedback System for Cultivating Healthy Eating Habit**

**Yoori Oh**, Jieun Choi, Youngran Jeon and Yoonhee Kim

*KIPS 2015*

**A Design of Verification System on TV Recommended Contents Using SNS Review Data Mining**

Moonji Kim, Hyungji Kim, Jiyeon Lee, Sumin Kim, **Yoori Oh** and Yoonhee Kim

*KSII 2015*

**A Design of a Personalized Dietary Coaching System Using Voice Recognition**

**Yoori Oh**, Younsun Ahn and Yoonhee Kim

*KIPS 2015*

[Domestic Journals](#)

**A Resource Clustering Method Considering Weight of Application Characteristic in Hybrid Cloud Environment**

**Yoori Oh** and Yoonhee Kim

*KIISE Transactions on Computing Practices, Vol. 23, No. 8, pp. 481-486, 2017. 8*

**A Customized Healthy Menu Recommendation Method Using Content-Based and Food Substitution Table**

**Yoori Oh** and Yoonhee Kim

*KIPS Transactions on Software and Data Engineering, Vol.6, No.3 pp.161-166*

*pISSN: 2287-5905, 2017. 3*

**A Personalized Dietary Coaching Method Using Food Clustering Analysis**

**Yoori Oh**, Jieun Choi and Yoonhee Kim

*KIPS Transactions on Software and Data Engineering, Vol.5, No.6 pp.289-294*

*pISSN: 2287-5905, 2016. 6*

Patents

**METHOD AND APPARATTUS FOR AUGMENTING AUDIO-TEXT MULTIMODAL DATA IN TRAIN AND TEST TIME**

Kyogu Lee, Jinhee Kim, Eungbeom Kim, **Yoori Oh**, Jaeheon Sim, Jinwoo Lee, Kyungsu Kim and Minju Park

*PCT, application number : PCT/KR2023/017075, 2023. 10*

**METHOD AND APPARATTUS FOR AUGMENTING AUDIO-TEXT MULTIMODAL DATA IN TRAIN AND TEST TIME**

Kyogu Lee, Jinhee Kim, Eungbeom Kim, **Yoori Oh**, Jaeheon Sim, Jinwoo Lee, Kyungsu Kim and Minju Park

*KR, application number : 10-2023-0146812, 2023. 10*

**METHOD AND APPARATUS FOR STRUCTURING PATENT CLAIMS**

Youngmin Ahn, Hojin Park, Suhyun Oh, Jonghyun Chae, Bong-Gun Lee, Yoonho Jung, Jaeok Min and **Yoori Oh**

*KR, registration number : 10-2181677, 2020. 11*

**MOBILE TERMINAL CONTROL METHOD FOR PERSONALIZED DIETARY COACHING**

Yoonhee Kim, Jieun Choi, **Yoori Oh** and Youngran Jeon

*KR, registration number : 10-2016263, 2019. 8*

Teaching experience

**Teaching assistant, Seoul National University**

Spring 2024

Course title : From Sound to Meaning (Prof. Kyogu Lee)