

# Curriculum Vitae

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## A. Personal Identification

Name Wangduk Seo  
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Interest Artificial Intelligence, Feature Selection, Metaheuristic Optimization

## B. Education

2017 – date M.S., School of Computer Science and Engineering, CAU  
Academic Adviser: Prof. Dae-Won Kim  
2011 – 2016 B.S., School of Computer Science and Engineering, CAU  
Academic Adviser: Prof. Dae-Won Kim

## C. International Publications

### E.1. Published from SCI(E) Journals (JCR 2016)

Jaesung Lee, **Wangduk Seo**, Ho Han and Dae-Won Kim,  
Evolutionary Multilabel Feature Selection Using Promising Feature Subset Generation,  
**Journal of Sensors**, 2018:1-12, **2018**

Jaesung Lee, **Wangduk Seo** and Dae-Won Kim,  
Compact feature subset-based multi-label music categorization for mobile devices,  
**Multimedia Tools and Applications**, **2018**

Jaesung Lee, **Wangduk Seo** and Dae-Won Kim,  
Effective Evolutionary Multilabel Feature Selection under a Budget Constraint,  
**Complexity**, 2018, **2018**

Jaesung Lee, **Wangduk Seo** and Dae-Won Kim,  
Efficient Information-theoretic Unsupervised Feature Selection,  
**Electronics Letters**, 54(2):76-77, **2017**

### E.2. Published from International Journals

### E.3. Published from International Conferences

**Wangduk Seo**, Ho Han, Dae-Won Kim and Jaesung Lee  
Explosive Reproduction-based Memetic Search for Effective Multi-label Feature Selection,  
**Best Paper Award**  
**International Conference on Applied System Innovation (ICASI 2018)**,  
Tokyo, Japan, January 8-11, **2018**

**Wangduk Seo**, Sanghyun Seo, Sang Oh Park, Mucheol Kim and Jaesung Lee  
Toward Accurate Music Classification using Local Set-based Multi-label Prototype Selection,  
**Best Paper Award**  
**International Conference on Next-generation Convergence Technology (ICNCT 2018)**,  
Bangkok, Thailand, January 8-11, **2018**

## **D. Domestic Publications**

### **F.1. Published from KCI Journals**

### **F.2. Published from Domestic Journals**

### **F.3. Published from Domestic Conferences**

Pil-Hyeon Lee, **Wangduk Seo** and Jaesung Lee

A study on multi-label data classification performance comparison analysis between combinations of problem transformation algorithms and instance selection algorithms

*The Proceedings of KIIS Autumn Conf.*, 18(2), Seoul, Korea, November **2017**

**Wangduk Seo** and Jaesung Lee

Multi-population-based Genetic Algorithm for Multi-label Feature Selection

*The Proceedings of KIIS Autumn Conf.*, 18(2), Seoul, Korea, November **2017**

**Wangduk Seo**, Junyoung Park and Dae-Won Kim

Mutual Information-based Feature Selection for Music Style Classification

*The KMMS Autumn Conf.*, 20(2), Pusan, Korea, November **2017**

**Wangduk Seo**, Hyunki Lim and Dae-Won Kim,

Estimation of Distribution Algorithm-based Feature Selection for Music Style Classification,

*The Proceedings of KIIS Autumn Conf.*, 26(2), Seoul, Korea, October **2016**

**Wangduk Seo**, Jaesung Lee, Hyunki Lim and Dae-Won Kim,

Quadratic Programming-based Feature Selection for Music Style Classification,

*The KMMS Autumn Conf.*, 19(2):1123-1126, Pusan, Korea, October **2016**

Yea Som Lee, **Wang Duk Seo**, JongHo Lee and Boog-Soo Sohn

Immersive Gesture Interface Design for HMD Based Virtual World Navigation,

Human Computer Interaction Korea 2016, Kangwon, Korea, January, **2016**

## F. Projects

- 2017 - date Development of Intelligent Healthcare Platform for Atopic Treatment using Bio-Clinic Convergence Information, NRF  
바이오-입상 융합정보를 이용한 아토피 진료지원 지능형플랫폼 개발, 교육부(한국연구재단)  
(Ack code: **NRF-**)
- 2017 - 2018 Inter-cultural Korean Music Discovery based on Pluralistic Music Emotion, NRF  
다원주의적 음악감성 기반 문화호환적인 한국형 음악 발굴 연구, 미래창조과학부(한국연구재단)  
(Ack code: **NRF-2016R1C1B1014774**)
- 2017 - 2017 Techniques for multi-perceptual contents based on aesthetic synchronization, KOCCA  
다중 감각형 콘텐츠 제작을 위한 영상 및 음악의 심미적 동기화 기술 개발, 문화체육관광부(한국콘텐츠진흥원)  
(Ack code: **MCST-KOCCA-CT2015**)

## G. Honors and Awards

- 2017 - date Chung-Ang University Graduate Research Scholarship  
2016 Chung-Ang University Scholarship (7<sup>th</sup> Semester)  
2015 Chung-Ang University Scholarship (6<sup>th</sup> Semester)

## H. Google Scholar

URL <https://scholar.google.co.kr/citations?user=05LtjTEAAAAJ&hl=ko&oi=ao>