HALLYM
UNIVERSITY

- Field   Electronics
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Educational background

2007 ~ 2013 Hanyang University (Course of Doctor of Engineering - Department of Electronic Computer Communication Engineering)

2000 ~ 2002 Hallym University (Master of Engineering - The Department of Electronic Engineering)

1993 ~ 2000 Hallym University (Bachelor of Engineering - The Department of Electronic Engineering)

Major careers

2007- Technical Advisor of MONDO SYSTEM INC.
2005-2007 Video team leader of the Multimedia Research Institute, TriGem Info Comm.
2001-2005 Team leader of the Research Institute, Solvix Technology Co., Ltd.

Studies & Books

[Research Paper]

1. "랜덤 오류가 있는 압축 동영상의 주관적 품질 평가 Subjective Video Quality Assessment of Compressed Video Corrupted by Random Error", (한국통신학회 종합 학술 발표회 논문집 (추계) 2001

2. "비디오 영상에서 움직임 변화를 이용한 대표 프레임 검출 "Key Frame Detection based using Change of Motion in Video", (2010년도 추계학술발표논문집, 2010)

3. "한림 지킴이 : 독거노인 일상 활동 원격 모니터링 시스템 Hallym Jikimi: A Remote Monitoring System for Daily Activities of Elders Living Alone", (정보과학회 논문지 : 컴퓨팅의 실제 및 레터 제15권 제4호, 2009)

4. "A Real-Time Monitoring System for the Elderly Living Alone", (2009 RISP International Workshop on Circuits and Signal Processing (NCSP'09), 2009)

5. "An Implementation of Content Management Systems for Augmented Reality Advertising", (International Journal of Applied Engineering Research ISSN, 2015)

6. "CARDA: Content Management System for Augmented Reality with Dynamic Annotation", (Advanced Science and Technology Letters, 2015)

7. "A Decentralized Approach to Geometric Video Correction for Network-based Video Wall", (International Journal of u- and e- Service, Science and Technology Vol.8, No. 8, 2015),

8. "Tiled Display System with Heterogeneous Video Display Devices", (ACT7007, 2015)

9. "A Method for Synchronization of Tiled Display System using Raspberry Pi's " Proceedings of KISM Spring Conference (ISSN 2287-4348, 2015)

10. "A Simple Video Up-Scaling and Segmentation Method for Tiled Display System with Heterogeneous Display Devices", Advanced Science and Technology Letters Vol.101 (Art, Culture, Game, Graphics, Broadcasting and Digital Contents 2015),

11. "Multi-step Search Approach to Reducing Time in Korean Number Plate Recognition based on Convolutional Neural Networks and Deep Learning" , (Convergence Research Letter Vol.2, No.4, 2016),

12. "A Patch-based Multi-step Search Method for License Plate Extraction based on a Deep Convolutional Neural Network", (International Workshop on Circuits and Signal Processing, 2016)

13. "Development of An Intelligent Digital Assistant System for Mild Dementia Patients", (HSSTDOMWORK, 2017)

14. "Gesture interaction with AR contents based on Myo Armband interface", (HSSTDOMWORK, 2017)

[Books]

NET C# 백두대간 시리즈, 한빛미디어 (2002)

기초프로그래밍, 한림대학교 (2012)

▌Others

[Patent]
UDP 제어시스템 (2002 특허등록)
유디피제어시스템의 송수신 처리방법 (2003 특허등록)
증강 현실 콘텐츠 제어 방법과 그 장치 (2016 특허출원)

[주요연구분야]
멀티미디어 신호처리