



이 태 복 Tae Bok Lee

Computer Vision/Artificial Intelligence

Researcher

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EDUCATION

2023. 08. 아주대학교 인공지능학과 석 · 박사통합과정 졸업 예정

- 지도교수: 허용석
- Dissertation: *Accurate Blur Decomposition From a Single Image Using Conditional GANs*

2018. 08. 아주대학교 전자공학과 학사

RESEARCH BACKGROUND

- Image restoration (deblurring, super-resolution)
- Conditional image generation based on GANs
- Face/Object detection and recognition

PUBLICATIONS

- **Tae Bok Lee** and Yong Seok Heo, "ABDGAN: Arbitrary Time Blur Decomposition Using Critic-Guided TripleGAN", Submitted to ICCV 2023
- **Tae Bok Lee**, Sujoy Han, and Yong Seok Heo, "Continuous Facial Motion Deblurring," IEEE Access, vol. 10, no. 1, pp. 76079 - 76094, Jul. 2022. [[Paper](#)] [[Github](#)]

- **Tae Bok Lee**, Soo Hyun Jung, and Yong Seok Heo, "Progressive Semantic Face Deblurring," IEEE Access, vol. 8, no. 1, pp. 223548 - 223561, Oct. 2020. [[Paper](#)] [[Github](#)]
- **Tae Bok Lee** and Yong Seok Heo, "Single Image Super Resolution Using Convolutional Neural Networks for Noisy Images," The 11th International Conference on ICT Convergence (ICTC), 2020. [[Paper](#)]
- Suhy Han, **Tae Bok Lee**, and Yong Seok Heo, "Semantic-Aware Face Deblurring With Pixel-Wise Projection Discriminator," IEEE Access, vol. 11, no. 1, pp. 11587 - 11600, Feb. 2023. [[Paper](#)] [[Github](#)]
- Soo Hyun Jung, **Tae Bok Lee**, and Yong Seok Heo, "Deep Feature Prior Guided Face Deblurring," IEEE Winter Conference on Applications of Computer Vision (WACV), 4-8 Jan. 2022. [[Paper](#)]
- Chang Jong Shin, **Tae Bok Lee**, and Yong Seok Heo, "Dual Image Deblurring Using Deep Image Prior," Electronics, 10(17), 2045, Aug. 2021. [[Paper](#)]
- Suhy Han, **Tae Bok Lee**, and Yong Seok Heo, "Deep Image Prior for Super Resolution of Noisy Image," Electronics, 10(16), 2014, Aug. 2021. [[Paper](#)] [[Github](#)]

PATENTS

- 허용석, **이태복**, 한수지, 화소 단위 사영 판별자를 이용한 영상 노이즈 제거 방법 및 장치 (출원) (10-2023-0012395) (Jan, 2023)
- Yong Seok Heo, Soo Hyun Jung, **Tae Bok Lee**, METHOD AND APPARATUS FOR PROCESSING BLURRED IMAGE (등록) (11,488,288) (Nov, 2022)
- 허용석, **이태복**, 한수지, 블러 이미지에 포함된 연속적인 이미지의 취득 방법 및 장치 (출원) (10-2022-0124693) (Sep, 2022)
- 허용석, **이태복**, 정수현, 얼굴 영상의 점진적 디블러링 방법 및 장치 (등록) (10-2358355) (Jan, 2022)
- 허용석, **이태복**, 저해상도 이미지의 영상 복원 방법 및 장치 (출원) (10-2020-0146356) (Nov, 2020)

PARTICIPATED PROJECTS

- “딥러닝 기반 정밀 Semantic Map 추출 엔진 개발”, 삼성 전자, 2018-2019.
- “UHD 방송 환경에서 콘텐츠에 대한 시청자의 반응 및 의도 기반 미디어 인터랙션 기술”, 과학기술정보통신부, 2018-2020.
- “효율적인 얼굴 인식을 위한 딥러닝 기법 연구”, 슈프리마, 2019-2020.
- “위성정보 융합 서비스 ICT 인력 양성 연구센터”, ITRC, 2018-2023

SKILLS

- **Knowledge:** Computer Vision, Deep Learning, Artificial Intelligence
- **Programming Skills:** Python, OpenCV, PyTorch, TensorFlow, C/C++
- **Soft Skills:** Problem Solving, Teamwork, Communication, Leadership