



(국문/영문)이름: 정동화 (Dong-Hwa Jeong)

(국문/영문)직위: 조교수 (Assistant Professor)

(국문/영문)소속: 가톨릭대학교 인공지능학과 (The Catholic University of Korea, Department of Artificial Intelligence)

(국문/영문)

국문 강연제목: 인간-AI 협업을 위한 멀티모달 AI 기반의 임상 및 인지 기능 해석

영문 강연제목: Multimodal AI-based Interpretation of Clinical and Cognitive Functions for Human-AI Collaboration

Abstract(영문):

In recent years, the importance of multimodal data, including electroencephalography (EEG), eye-tracking, and medical imaging, has grown significantly in clinical research and practice. While deep learning models effectively capture intrinsic information from complex multimodal data, most models function as “black boxes,” making it difficult for clinicians or neuroscientists to trust and utilize their outputs. In this seminar, we introduce methodological efforts to overcome these limitations. We demonstrate interpretable AI approaches through diverse clinical applications: from predicting neurological diseases to assessing cognitive states in various populations by fusing multimodal biosignals.

Brief Biosketch (간단한 이력, 연구/대외활동 소개,국문/영문)

- KAIST 정보통신공학과 공학사
- KAIST 바이오및뇌공학과 공학석사 및 공학박사
- (현) 가톨릭대학교 인공지능학과 및 의료인공지능학과 조교수
- (현) 가톨릭대학교 CUK GAIA AI 빅데이터센터 센터장
- (전) 가톨릭대학교 디지털새싹사업단장