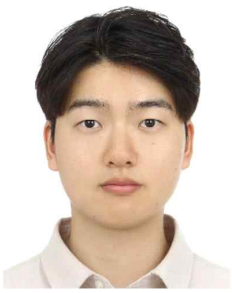
2024년도 대한전자공학회

하계종합학술대회 특별세션 강연 발표정보

▌발표자 정보

성명	전재형	**사진**	
소속(학교)	서울대학교		
부서(학과)	수리과학부		
직위	대학원생		
발표분야	에너지 저장장치를 위한 지능형 안전SW 프레임워크 기술		
약력	-성균관대학교 수학과 졸업 -서울대학교 수리과학부 석박사과정 -AdaptiveRec: Adaptively Construct Pairs for Contrastive Learning in Sequential Recommendation, 2023 ICML MFPL Workshop -Fisher-Weighted Merge of Contrastive Learning Models in Sequential Recommendation, 2023 ICML MFPL Workshop -Representation Learning, Unsupervised Learning, Image Restoration.		

▌강연 정보

제 목	Time-Series Anomaly Detection in Energy Storage System with BERT
Abstract	Energy Storage System(ESS) field has been experiencing rapid growth recently, and as a result, the demand for anomaly detection of ESS is also increasing. By using deep learning, many methods have been proposed, such as clustering-based method and reconstruction method. But commonly they are still suffering from the lack of data. Due to safety and cost issues, obtaining normal data is difficult, and obtaining anomaly data is even more difficult. In here, we propose AnomalyBERT for time-series anomaly detection trained with data degradation scheme and self-supervised method. With data degradation scheme, we address the data scarcity issue of anomaly data. AnomalyBERT has surpassed the performance of previous models. Also we experiment transfer learning of AnomalyBERT among datasets and confirm improved performance through transfer learning.