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강연제목: 웨어러블 ECG 모니터링 디바이스를 이용한 인공지능 부정맥 탐지 플랫폼

(AI-based Arrhythmia detection and analytics platform using a wearable ECG monitoring device.)

Abstract:

Arrhythmias are known as one of the main causes of serious medical emergencies such as cardiac arrest and stroke. Despite this, most potential patients have no symptoms and are not aware of the stroke risk before it happens. So, early detection of asymptomatic arrhythmia is crucial to discovering the potential problems of the heart and helping reduce the stroke risk dramatically. In this presentation, we introduce Huinno's leading-edge AI-based arrhythmia detection and analytics platform combining wearable ECG pick-up device technology, artificial intelligence technology, and software integration together.

Brief Biosketch

Dr. Joomin Kim is currently a CTO at Huinno Co., Ltd. since 2020. He received his B.S. and M.S. degrees from Inha University majored in Electronic Materials & Devices engineering in 1993 and 1995, respectively. During his work as a researcher developing piezoelectric components in OCI(Oriental Chemical Industry) Co., Ltd., he started his study for a Ph.D. After he got his Ph.D. in 2004, he started and had run a company named Quantumbase Inc. having magnetic sensor materials, ESD suppression devices, and circuit design in his major fields until 2011. Then he was a CTO in Visionscape Co., Ltd. developing thin-film pressure sensors and various wearable devices with startups in South Korea and the US from 2012 to 2016. Finally, he has been expanding his major fields to electronics and medical convergence until now. His current interests are bio-signal pickup technologies and smart medical platforms for chronic disease patients.