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**강연제목: 의공학자를 위한 MATLAB 응용**

**Abstract:**

This tutorial aims to introduce the fundamentals of MATLAB scripting to those in the field of biomedical engineering. Participants will familiarize themselves with the MATLAB coding environment and learn basic biomedical signal processing by experiencing simple electroencephalogram (EEG) preprocessing. Participants will acquire a basic proficiency in MATLAB, equipping them with the necessary skills for data analysis and simulation relevant to solving biomedical engineering problems. Attendees are required to bring a laptop with MATLAB installed.

**Brief Biosketch**

Do-Won Kim received his B.S. degree from the Department of Biomedical Engineering, Yonsei University, South Korea, in 2008, and his Ph.D. degree from Yonsei University in 2013. After his Ph.D. he was a Postdoctoral Associate/Research Assistant Professor at Hanyang University, South Korea from until 2016. During his career at Hanyang University, he was also affiliated as Senior Researcher at Ilsan Paik Hospital, Korea, until 2014 and as Guest Researcher at Machine Learning Group, Technical University of Berlin, Germany, from 2015 to 2016. He is currently an Associate Professor at the School of Healthcare and Biomedical Engineering at Chonnam National University since 2016. His research interests include various fields of computational neuroengineering, especially developing novel EEG signal processing and analysis methods, brain-computer interfaces, the diagnosis of neuropsychiatric diseases, and noninvasive brain stimulation.