



Biomedical Engineering Seminar Series

2nd Semester, Academic Year 2016

Date: March 7, 2017

Time: 11.00AM - 12.00PM

**Room 6373, 3rd level, Building 3,
Department of Biomedical Engineering,
Faculty of Engineering;
Mahidol University**



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"Electroencephalography (EEG) and its applications"

Electroencephalography (EEG) is non-invasive measurement for studying of brain activities. Although the first human EEG had been obtained since 1924, development of EEG-based application is always challenge issue. I first studied EEG towards improvement of state of the art brain-computer interface named P300-BCI. By combination of Electrooculography (EOG) and EEG, I expanded research to hybrid BCI which considered on both brain and eye activities. To spread EEG knowledge into various directions, I started working on human fatigue measurement while they are engaging in driving tasks. Moreover, introduction to brain-to-brain communication has been proposed at the end of presentation.

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