



Submission 7	Conference	News	EasyChair
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ICICI-BME 2015 Submission 7

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Submission 7

Title	Steady-State Visual Evoked Potential based Brain Computer Interface: Experiment of LED Stimulation in Two-Rooms Condition
Submission:	(Oct 06, 10:51 GMT) (previous versions)
Author keywords	Brain-Computer Interface (BCI) Steady-State Visual Evoked Potential (SSVEP) Power Spectral Estimation Highest-Power Detection LED Visual Stimulation
Topics	Biomedical Signal Processing
Abstract	The aim of this study is to determine the effect of room's light condition to brain response. Brain response to repetitive visual stimulation is called Steady-State Visual Evoked Potential (SSVEP) based Brain-Computer Interface (BCI). In this study, flickering Light Emitting Diode (LED) is used as visual stimulation. Mostly, brain response is recorded using electroencephalograph (EEG) and recorded in the brain's occipital lobe that is associated with human vision. Welch's method of power spectral estimation is implemented for estimating the power spectral of recorded signal. The result shows that the highest-power of brain response to

Submitted	repetitive visual stimulus can be detected either in the dark-room or in the bright-room. Jul 28, 08:23 GMT
Last update	Jul 28, 08:23 GMT

Authors						
first name	last name	email	country	affiliation	Web page	corresponding?
Nugroho Budi	Wicaksono	nugroho.budi.wicaksono@gmail.com	Indonesia	Politeknik Mekatronika Sanata Dharma		✓
Tati L.R.	Mengko	tatimengko@yahoo.com	Indonesia	Institut Teknologi Bandung		
	Suprijanto	supri@tf.itb.ac.id	Indonesia	Institut Teknologi Bandung		

Reviews

Review 1

Review

Review This paper is good idea, but any corrections for for improvement :

1. Please explain whether there is a pattern between stimulus frequency and dominant frequency in every condition
2. Please correct writing of reference

Review 2

Review

Review The paper is well written and the title is well suited for this conference. The work presented in this paper will give a good information to the potential conference audiences especially if the field of EEG signal acquisition and EEG signal processing.