

Measurement of Bio-signals and its analysis



Name	Kenji MORIYA	E-mail	moriya@hakodate-ct.ac.jp
Status	Professor, Ph.D		
Affiliations	Member of IEICE, IIAE, JSWE, JSEE, and BMFSA		
Keywords	Bio-signal measurements, signal processing		
Technical Support Skills	• Bio-signal measurements • Estimation of emotion • Estimation of physical and mental stress		

Research Contents

Estimation of emotion under various conditions by measurement of brain activities

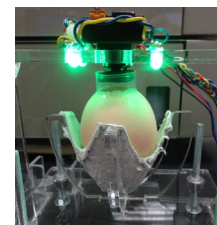
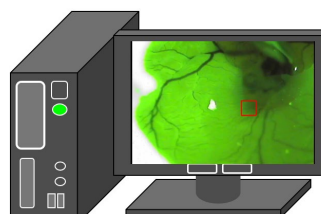


When you need customer's evaluation, especially emotional estimation (e.g., mental safety, feeling fun, comfortable, anxiety) for your developed product, measurement of bio-signal is one of effective methods.

We provide

- Optical Topography devices (Lab-NIRS, 2ch and 10ch wearable OT device)
- Holter ECG measurement device,
- Analysis techniques of activities of autonomic nervous function and brain activities etc.

In order to predict embryonic disease or abnormal development which cannot be analyzed by DNA information, we tackled video analysis of body movements during early stages of chick embryos as fetus measurement model.



Available Facilities and Equipment

Optical Topography	LAB NIRS SHIMADZU Co.	
10ch-Wearable	Optical Topography WOT-100 NeU Inc.	
2ch-Wearable	Optical Topography WOT-2000 NeU Inc.	
	etc.	