

# EEG Resting state in real world – exhibition environment

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Citation: It will be updated soon. Please contact admin.

## Experimental paradigm

- **Experiment environment**
  - Exhibition (KES held in Coex, South Korea, 24 Oct 18 ~ 27 Oct 18)
- **Research Ethics**
  - Information about the experiment was informed verbally to all participants, and they agreed to participate in the experiment.
- **Participants**
  - 44 Healthy participants
- **Task**
  - Eyes-open resting state (approximate 40sec.)
- **Experimental environment**
  - Experiment period
    - 24 Oct 18 ~ 27 Oct 18
  - Location
    - Coex Conference Hall, Seoul, South Korea



**Figure 1 Experimental environment**

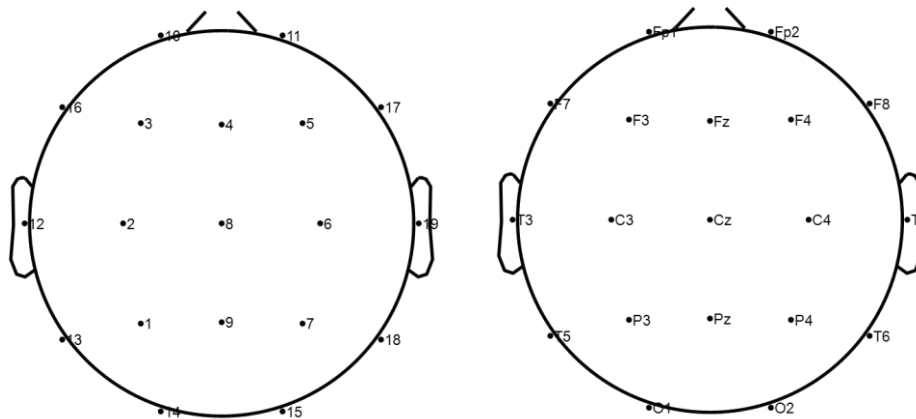
## **Data recording**

- **Acquisition devices (Figure 2)**
  - DSI 24 wearable sensing EEG, 19 channels and wired setting
  - Pz as CMS, left-right ear mastoid referencing



**Figure 2 DSI 24 Wearable sensing EEG**

- **Software**
  - OpenViBE
- **Channel location**
  - Total 19 channels:



**Figure 3 Electrode position used in experiment**

## Data file description

- **File extension**
  - The General Data Format for Biomedical Signals (\*.gdf)
  - Recorded from OpenViBE software
- **File information**
  - Each file includes 19 Channels
  - ./s%02d/raw\_preRest.gdf – approximate 40sec. eyes-open resting state
  - Notch, band-pass filter is not applied. People should pre-process data in order to analyze the data (such as baseline correction, notch, band-pass filtering..)
  - Good/Bad subjects are not identified
- **Trigger (Marker) information**
  - Time trigger – 40sec.