

Prof. Hiroki Sato

Laboratory name

Applied Brain Science Laboratory

Keyword

Neuroimaging, Functional Near-Infrared Spectroscopy, EEG, Cognitive Neuroscience, Brain, Performance Science

Tasks in the laboratory

-Research on cognitive/social function using fNIRS or EEG
-Research on autonomic nervous system based on physiological measurements such as heart rate variability and respiration
-Development of analysis programs for fNIRS/EEG/physiological data

Program period

More than 3 months

Eligibility-school year

- Third year undergraduate
- Fourth year or higher undergraduate
- First year master degree
- Second year or higher master degree
- First year doctoral degree
- Second year doctoral degree
- Third year or higher doctoral degree

Eligibility-student's major/fields

- Mechanical
- Chemistry
- Material
- Electrical
- Electronic
- Computer Science
- Lifescience
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design

Required skills

English communication skills, Technical writing skills, Programming skills (MATLAB), Basic knowledge of statistical analysis and signal processing, Motivation to study human neuroscience (brain science)

Desired skills (Preferred skills)

Experience of psychological/Behavioral experiments

URL: https://www.shibaura-it.ac.jp/en/research/lab/systems/biomedical/hiroki_sato.html

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