# Preprocessing and Classification of ERD/ERS Signals

Florian Eichin

May 26, 2018

Freiburg University

### **Contents**

How do we measure brain activity?

Oscillatory Analysis: Neurological Background

What are the challenges?

A simple approach: Laplace Filters

More sophisticated: Common Spacial Patterns (CSP)

How good is it?

How do we measure brain activity?

### Electroencephalography

**Definition** 

Proof.

2

Oscillatory Analysis: Neurological

**Background** 

### Hello World.

What are the challenges?

## \_\_\_\_

A simple approach: Laplace Filters

More sophisticated: Common

**Spacial Patterns (CSP)** 

How good is it?