**Brain Computer Interface for Data Analysis**

**Consent to Participate**

You are invited to participate in a research study about **Brain Computer Interface for Data Analysis**.

If you agree to be part of the research study, you will be asked to think or perform some action or thought; your brain signals will be recorded for later analysis. Your participation in this research will take approximately 15 minutes. You will use a helmet/cap comprising a number of EEG sensors (Open-BCI) that will read your brain wave signals. You are going to be asked to concentrate quietly for a couple of seconds, then clear think about a chosen action or thought for about 10 to 20 seconds. During this time frame is when Brain Computer Interface cap will be recording your brain waves for later analysis. Then have a quick pause of approximately 30 seconds and repeat the same steps for the chosen thoughts. A number of times the process will be repeated either with the same thought, or with different new thought pattern. For the time of 15 minutes, we expect to collect about 10 to 20 brain waves signal files.

Benefits of the research: Insight into machine learning, cloud computing, data analysis and pattern recognition.

Risks and discomforts: Participation in this research should involve no risks to you beyond what you would encounter in your daily life.

Data collected will remain anonymous.

Participating in this study is completely voluntary. Your decision whether or not to participate will not affect your current or future relations with St. Cloud State University, or the researcher. If you decide to participate, you are free to withdraw at any time without penalty.

If you have questions about this research study, you may contact Dr. Adriano Cavalcanti. Results of the study can be requested from the researcher – results that become published will have a link available at the faculty home page.

If you choose to participate, you might want to be compensated by: the optional bounty activities (e.g. extra credit, for any other the classes that you are currently taking that Dr. Cavalcanti is teaching in the current semester. All students will have an alternative optional extra credit activity related to the course topic. The bounty can be either 3 points to cover missed quizzes, or 1 point to be added either toward the midterm or finals exam – the student will choose his/her preference.

Your signature indicates that you are at least 18 years of age, you have read the information provided above, and you have consent to participate.

Signature Date