

## INFORMATION SHEET

# Virtual Lab (Vlab): Global Teams

### RESEARCH CONTACTS

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### INFORMATION FOR STUDENTS

We are asking you to be in a research study. The purpose of this information statement is to give you the information you will need to help you decide whether to be in the study or not. Please read the statement carefully. You may ask questions about the purpose of the research, what we would ask you to do, the possible risks and benefits, your rights as a volunteer, and anything else about the research or this statement that is not clear. When we have answered all of your questions, you can decide if you want to be in the study or not. This process is called "Informed consent." You will have an opportunity to sign a consent form to consent to this study at the end of the class.

### ABOUT THE STUDY

This research project studies collaboration in global virtual design teams working on construction planning projects in the classroom. This is an exploratory project that aims to investigate communication and social issues in 2D virtual team spaces (Sococo) and their impact on construction planning outcomes. You are being asked to participate in this project because you are a construction management or engineering student at the University of Washington and taking CM515 this winter quarter. To participate in the experiment you must be between 18 and 88 years of age.

### STUDY PROCEDURES

During this class you will work together with students from Indian Institute of Technology Madras (IIT) in virtual teams to complete two projects. The first project consists of completing a Construction Schedule and integration of IIT's Revit model and baseline schedule to develop a 4D model in Navisworks, and the second project consists of completing a BIM Execution and then a 4D model in Navisworks in collaboration with IIT. You will work in a 2D virtual working environment called Sococo to collaborate with your teams.

For the research project, we would like to collect your student project work (final presentations and classroom deliverables detailed in the course description) as data. We will also be distributing to you feedback survey at the end of each of the two class projects to better understand how often you had team meetings, what you enjoyed during collaboration, and what difficulties you encountered during collaboration. We would also like to collect these surveys as a part of our research data set. These assignments and survey data will not be shared beyond the University of Washington research team.

Just as with any other course we teach here at the University, we will address withdrawal on a case by case basis. If you are taking the class as an elective, you are welcome to drop the class at any time. If you want to continue with the class,

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but want to drop out of the research study, we will immediately delete all data related to your team and your team will be removed from the study (as it would be impossible to remove an individual from the analysis). If you are unable to withdraw because you need the class to graduate from the program, we will remove your team from the study, immediately destroying any data associated with you, while you complete the class activities. Withdrawal from the study, but remaining in the class, would not affect your grade in the class, your reputation in the university or the industry.

### **RISKS, STRESS, OR DISCOMFORT**

As this study takes place in the classroom, you may feel pressured to participate in the research. Please note that this study is voluntary and you may refuse to participate or withdraw at any time without any penalty. Refusing to participate or withdrawing from the research will not affect your ability to complete this course. We will also have a third party collecting signed consent forms on the last day of class. This person will place all consent forms in a sealed envelope and your professor will not view these forms until after grades for the class have been submitted.

Any information collected during this study that can identify you by name will be kept confidential. We will do everything we can to keep your data secure, however, complete confidentiality cannot be promised. Despite all our efforts, unanticipated problems, such as a stolen computer, may occur. More information about data confidentiality is below.

### **DATA CONFIDENTIALITY AND OTHER INFORMATION**

Digital data (such as digitally submitted coursework) will be kept in password protected computers. Any paper assignments will be kept in a locked filing cabinet. The names on your assignments will be coded. The key to the code linking you to this data will also be kept for a period not longer than 3 years starting from the last date of winter quarter, 2016. Access to your research data will be limited to Prof. Carrie Dossick and her research team.

Please note that data from this study may be used to compare to data we may obtain on future research using the same type of experiment.

Participating in this research is voluntary. You may refuse to participate or withdraw from the study at any time without any penalty or loss of benefits to which you are entitled. If you have any questions or concerns later about the study, you can ask Prof. Dossick or her research contact, Laura Osburn (listed above). If you have any questions about your rights as a subject, you can call the Human Subjects Division at (206) 543-0098.