

CONSENT TO PARTICIPATE IN NON-BIOMEDICAL RESEARCH

Bike Bump

You are asked to participate in a research study conducted by Yasushi Sakai, of the M.I.T. Media Lab, Changing Places Group at the Massachusetts Institute of Technology (M.I.T.). You were selected as a possible participant in this study because you live within the Greater Boston area and are able to ride a bicycle. You should read the information below, and ask questions about anything you do not understand, before deciding whether or not to participate.

· PARTICIPATION AND WITHDRAWAL

Your participation in this study is completely voluntary and you are free to choose whether to be in it or not. If you choose to be in the study, you may subsequently withdraw from it at any time without penalty or consequences of any kind. In addition, your decision to participate or not to participate in this study will not in any form affect your grades or influence your relationship with Prof. Kent Larson. The investigator may withdraw you from this research if circumstances arise which warrant doing so. You are required to be at least 18 years old to be in this study. The study takes place between July 1st, 2017 and July 30th, 2017.

· PURPOSE OF THE STUDY

This study is a case study to examine the potential of bottom up urban planning approach. The gathered data will be collected and analyzed for a higher recognition of the city's current situation which may potentially lead to a bike friendlier region.

· PROCEDURES

If you volunteer to participate in this study, we would ask you to do the following things:

<Before the on-road experiment>

- You will be asked to fill out a survey at the beginning of the experiment. (Q-1 Form), also you will be instructed to calibrate the app to detect the bell you own.

<Each time you ride your bike>

- You will be asked to mount your smart phone and open a web application when you are using your bike.
- Once the web application opens you will be able to report the current status of the bike lane. If you come across a point worth reporting while your commute, ring your bell.
- One ring will mean the place was bad, two rings will mean the place was good depending how you feel.

- It is up to you when and where you report. Once you respond, the number of rings, a timestamp, 4seconds of sound before the ding and geolocation data will be sent to the server as a “report”.

<After you ride your bike>

- You will have the choice to answer multiple option questions to specify the reasons for your ding. You may be asked questions that you did not ring you bell, but close to your commute, which other participants reported.
- The app will show when you enter in certain proximity of an existing response from other users asking whether you agree to disagree with the previous response(s).
- The application will have no effect by simply closing the internet browser.

· **POTENTIAL RISKS AND DISCOMFORTS**

No additional or abnormal forms of discomfort or risk will be part of the experiment. As riding a bike will be part of this study, please note the usual risks of biking. Ride safely along the roads with a helmet. Do not text, or further distract yourself when riding. Use proper traffic etiquette when riding along cars, and place caution and safety above all else. Lastly, please note that if you suffer from any medical conditions that may be exacerbated by your participation, you should check with a medical professional before participating in this study. If you will decide to participate after the approval of a qualified medical professional despite of your medical conditions, the participation will be at your own risk.

· **POTENTIAL BENEFITS**

Some personal benefits that can be derived from this research are:

- A better understanding about the current safety situation for bike riders.
- Potentially give influence to the policies surrounding bike transportation, which will also improve car and pedestrian safety.

This type of research can help inform policy makers, scientists, technologists, and other people working on urban initiatives about new ways to promote bicycle use within cities.

· **PAYMENT FOR PARTICIPATION**

The subjects involved in this study won’t receive any payment for participation.

· **CONFIDENTIALITY**

Any information that is obtained in connection with this study and that can be identified with you will remain confidential and will be disclosed only with your permission or as required by law.

1. Privacy: You will be asked to provide your email address at the beginning of this study. That data will be kept private and saved separate from the data collected within the experiment, with only the researchers accessible. The recorded sound clip will be processed within the mobile device before sent to the server. Also you will have the choice to delete the sound related data any time.
2. Confidentiality: The data analysis that will take place at M.I.T. Only researchers will have the access to the database, and other participants will receive anonymized reported data. The users will have the option to expose location data to the public. Data will be encrypted and devices used for this study will be password protected with restricted access.
3. Data Usage: Results will be mainly published in aggregated forms and will not contain any personal identifiers. If results based on single participants will be published, those will be anonymized or will be asked for consent separately. Any potential additional use of your data that was not explicitly mentioned before will only be undertaken if the researchers attain your explicit consent for that usage beforehand.
4. In addition, your information may be reviewed by authorized MIT representatives to ensure compliance with MIT policies and procedures.

· **IDENTIFICATION OF INVESTIGATORS**

This study is led by Yasushi Sakai, M.I.T. Media Lab, Changing Places Group at the Massachusetts Institute of Technology (M.I.T.) If you have any questions or concerns about the research, please contact us by sending an email to yasushis@mit.edu

· **EMERGENCY CARE AND COMPENSATION FOR INJURY**

If you feel you have suffered an injury, which may include emotional trauma, as a result of participating in this study, please contact the person in charge of the study as soon as possible.

In the event you suffer such an injury, M.I.T. may provide itself, or arrange for the provision of, emergency transport or medical treatment, including emergency treatment and follow-up care, as needed, or reimbursement for such medical services. M.I.T. does not provide any other form of compensation for injury. In any case, neither the offer to provide medical assistance, nor the actual provision of medical services shall be considered an admission of fault or acceptance of liability. Questions regarding this policy may be directed to M.I.T.'s Insurance Office, (617) 253-2823. Your insurance carrier may be billed for the cost of emergency transport or medical treatment, if such services are determined not to be directly related to your participation in this study.

· **RIGHTS OF RESEARCH SUBJECTS**

You are not waiving any legal claims, rights or remedies because of your participation in this research study. If you feel you have been treated unfairly, or you have questions regarding your rights as a research subject, you may contact the Chairman of the

Committee on the Use of Humans as Experimental Subjects, M.I.T., Room E25-143B, 77
Massachusetts Ave, Cambridge, MA 02139, phone 1-617-253 6787.

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| SIGNATURE OF RESEARCH SUBJECT OR LEGAL REPRESENTATIVE |
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I understand the procedures described above. My questions have been answered to my satisfaction, and I agree to participate in this study. I have been given a copy of this form.

Name of Subject

Name of Legal Representative (if applicable)

Signature of Subject or Legal Representative

Date

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| SIGNATURE OF INVESTIGATOR |
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In my judgment the subject is voluntarily and knowingly giving informed consent and possesses the legal capacity to give informed consent to participate in this research study.

Signature of Investigator

Date