

	<b>Massachusetts Institute of Technology</b> Committee on the Use of Humans as Experimental Subjects	<b>Application #</b> (assigned by COUHES)	
		Date	

APPLICATION FOR APPROVAL TO USE HUMANS AS EXPERIMENTAL  
SUBJECTS (EXEMPT STATUS FORM)

*Please answer every question. Positive answers should be amplified with details. You must mark N/A where the question does not pertain to your application. Any incomplete application will be rejected and returned for completion.*

**I. BASIC INFORMATION**

<b>1. Title of Study</b>			
Video Lecture Summarization			
<b>2. Investigator</b>			
Name: Hijung Shin		Building and Room #:32D416	
Title: Student		Email: hishin@mit.edu	
Department: EECS		Phone: 609-751-1219	
<b>3. Faculty Sponsor.</b> <i>If the investigator does not have PI Status (faculty, SRS or PRS) then a faculty sponsor must be identified and sign below.</i>			
Name: Fredo Durand		Email: fredod@csail.mit.edu	
Title: Professor		Phone: 617-253-7223	
Affiliation: MIT			
<b>4. Collaborating Institutions.</b> <i>If you are collaborating with another institution(s) then you must obtain approval from that institution's institutional review board, and forward copies of the approval to COUHES).</i>			
<b>5. Funding.</b> <i>If the research is funded by an outside sponsor, the investigator's department head must sign this form. Please enclose one copy of the research proposal (draft is acceptable) with your application. Do not leave this section blank. If your project is not funded check No Funding.</i>			
<b>A. Sponsored Project Funding:</b>			
<input type="checkbox"/> Current Proposal		Proposal # _____	
Sponsor _____			
Title _____			
<input checked="" type="checkbox"/> Current Award		Account # 6918829 _____	
Sponsor Quanta _____			
Title Computational Videography _____			

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<b>B. Institutional Funding:</b>	
<input type="checkbox"/> Gift <input type="checkbox"/> Departmental Resources <input type="checkbox"/> Other (explain) _____ <input type="checkbox"/> No Funding	
<b>6. Statement of Financial Interest</b>	
Does the principal investigator or any <u>key personnel</u> involved in the study have any <u>financial interest</u> in the research? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes then attach a Supplement for Disclosure of Financial Interest for each individual with an interest. <i>This supplement, together with detailed guidance on this subject and definitions of the highlighted terms, is available on the COUHES web.</i>	
<b>7. Human Subjects Training.</b> <i>All study personnel in research MUST take and pass a training course on human subjects research. MIT has a web-based course that can be accessed from the main menu of the COUHES web site. COUHES may accept proof of training from some other institutions. List the name, MIT or outside affiliation and emails of all study personnel and indicate if they have taken a human subjects training course.</i>	
Hijung Shin (hishin@mit.edu) has taken a human subjects training course from Harvard University.	
<b>8. Anticipated Dates of Research</b>	
Start Date: December 15, 2014	Completion Date: May 15, 2014

## II. STUDY INFORMATION

<b>1. Purpose of Study.</b> <i>Please provide a brief statement of the background, nature and reasons for the proposed study. Use non-technical language.</i>
In our study, we develop a tool for generating static and interactive summaries of video lectures. The purpose of the proposed user study is to evaluate the effectiveness of these summaries. We hypothesize that different students and learning tasks can benefit from different modes of presentation (video, static, interactive summary). The study will compare how different presentation of lectures affect student performance on learning-related tasks.
<b>2. Study Protocol.</b> <i>Please provide an outline of the proposed research. You should provide sufficient information for effective review by non-scientist members of COUHES. Define all abbreviations and use simple words. Unless justification is provided, this part of the application must not exceed 2 pages. Attaching sections of a grant application is not an acceptable substitute for the description requested here. Include copies of any questionnaire or standardized tests you plan to use. If your study involves interviews, submit an outline of the types of questions you will include. Your research outline should include a description of:</i>

**A. Experimental procedures:**

Students will either (1) watch a video lecture online, or (2) read through a static/interactive summary of the lecture. Then they will be answer questions about the learning experience, and about the lecture content. We will evaluate their performance and preferences.

**B. Type and number of subjects involved:**

~50 students

**C. Subject Compensation: (describe all plans to pay subjects in cash or other forms of payment i.e. gift certificate).**

N/A

**D. Method of recruitment (attach recruitment materials flyer, poster, email message, Internet posting, etc.)**

**Email message:**

We are developing a tool to generate summaries of lecture videos. We want to evaluate how people can use these summaries for different learning goals. people If you take part in this study, you may be asked to watch a video lecture, and/or read a summary of the video lecture. You will be asked to complete a short quiz related to the lecture content as well as a questionnaire at the end of the study. The study will take approx. 30min. We will be happy to share the results of our research with you. If you are intersted in participating please contact Hijung Shin (hishin@mit.edu).

**E. Length of subject involvement:**

30minutes ~ 1 hour

**F. Location of the research:**

At MIT

**G. Procedures for obtaining informed consent (if a waiver of written informed consent is requested an explanation of an alternative consent mechanism must be submitted):**

We will provide consent form at the beginning of each user-study.

**H. Procedures to ensure confidentiality:**

Data will be collected anonymously, and will not be identifiable . We will not release personal information collected during study.

**3. HIPAA Privacy Rule.** *If you are in any way working with individually identifiable health information for a research study that is sponsored by MIT Medical, an MIT Health Plan or another healthcare provider, then the Health Insurance Portability and Accountability Act ("HIPAA") likely applies to your study and you must comply with HIPAA in the conduct of your study. However, we expect that if you are applying for exempt status, you will only receive de-identified health information from participants in connection with your study. If you expect to receive identifiable health information from or about research participants in your study, you should complete the standard COUHES application form rather than this application form. You may consult with COUHES staff if you have questions about the exempt/non-exempt status of your proposed research study.*

Signature of Investigator



Date 12/9/2014

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Signature of Faculty Sponsor



Date 12/9/2014

Signature of Department Head



Date 12/16/14

Print Full Name and Title

Danella Rus, CSA/4 Director

*The electronic file should be sent as an attachment to an e-mail: [couhes@mit.edu](mailto:couhes@mit.edu). In addition, two hard copies (one with original signatures) should be sent to the COUHES office: Building E25-Room 143B.*

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