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# Visual Programming Tools for Haptic CyberLearning

(UBC Ethics #H14-01763)

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The following message will be used to recruit participants for our study. We will distribute this message using some or all of the following methods:

- Emailing the recruitment message to mailing lists maintained by the Computer Science department or our research group, such as a list of department graduate students (often used for this kind of purpose) and a list of persons who have expressed an interest in being study participants.
- Uploading the recruitment message as an online posting, on craigslist.ca or facebook.
- Physical postings in public areas.
- Email and word-of-mouth when conducting purposeful sampling.

From: Karon MacLean

Subject: Call for Study Participants - [\$5/\$10/\$15] for "Visual Programming Tools for Haptic Cyberlearning"

The SPIN Research Group in the UBC Dept. of Computer Science is seeking individuals 14 and older for a study investigating the design of visual programming tools that will help high school students learn STEM concepts (Science, Technology, Engineering, Math) such as physical system modeling, through using and programming environments using force feedback tools. Individuals will be compensated at a rate of \$5 per half-hour for their participation. We anticipate this session will be [30/60/90] minutes in duration.

We may ask participants to talk about their experiences with haptic sensations, devices, and related technologies and training.

We may ask participants about their current physics knowledge and enjoyment of the topic. We will then ask participants to interact with one or more haptic devices (for example, a simple actuated knob) and explore an interface that utilizes these devices in various ways. Participants may also be asked to give us feedback on their experience using this tool, and be invited to have their interactions and conversation with the researcher videotaped

Please visit <URL> or contact me to sign up for the study.  
You may also contact me if you have any questions.

Karon MacLean  
Professor, UBC Computer Science  
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