**Request for Modification to IRB 4917**

**Causality and Motion Coding Studies**

Colin Ware

Project funded by CCOM and NSF

IRB 4917 is in support of an NSF study of how people can understand causal relationships through interacting with an interactive diagram.

We are planning a new study to begin in March 2014 and it is somewhat different from the previous work as described below.

* Undergraduate student Joel Wyatt will be administering the protocol.
* We require an additional 100 students as study participants. These will be recruited at a table in the MUB by Joel Wyatt and the experiment will be carried out immediately at that location. Participants will be rewarded with a packet of pens or a notebook.
* The software used in the experiment displays a fisheries food web visualization that is designed to explain the effects of changing fishing quotas on various species. Participants will be led through a protocol where they will be asked questions about their understanding while intermittently interacting with the software.
* The statistical analysis will be conducted by Carmen St. Jean, a graduate student advised by Colin Ware.

A more detailed description of the protocol and consent form are attached.