IRB INFORMED CONSENT FORM
For Seeking Consent for Human Subjects to Participate in Research
For IRB Use Only: Protocol No. 06-1372
(A copy of this form must be provided to the study participant after signing it. The original is retained by the PI.)

Date Prepared/Revised: February 19, 2010
Project Title: Embedded Computing and Authentic Inquiry in School Science
Principal Investigator: Fred G. Martin
Co-PI(s):
Student Investigator(s):

This form has been approved for use by the UMass Lowell IRB and is valid for a period not to exceed one year from the approval date.

Authorized IRB Approval Signature: __________________________ Approval Date: 2-19-10

Essential Sections of the Informed Consent Form (see IRB Manual of Policy and Procedures):

Study Purpose: As a participant of our workshop entitled 'Inquiry Science Using Electronic Devices for Data Collection', you will be engaging in a project that involves you in the collection of temperature and light data using a device known as a PINPoint. This project involves you in beginning a scientific inquiry in a way that is not commonly practiced in school science classrooms.

Procedure and Duration: You are being asked to give your permission for the Researchers to use materials from your written reflections and project reports (produced in the workshop) in articles that they may publish. The Researchers seek to describe your use of the technology and your approach to scientific inquiry. All of the work for the project occurs within the confines of the workshop. You will be asked to submit copies of your written material (produced in the workshop), as well as to allow the Researchers to videotape your conversations and final project presentation in the session. The video material will not be used for any purpose other than analysis of the research. A questionnaire will be asked to complete. The questionnaire will take no more than 15 minutes of your time.

Potential Risks and Discomfort: There are no apparent risks to your involvement in this study as a participant in this study.

Incentives/Compensation (if any): There are no monetary incentives for giving your permission for your materials to be used in published articles.

Anticipated Benefits to the Subject or to Non-subjects: The reason we seek your permission to use your materials is that we believe that the data-gathering and visualization technology has application for the elementary, middle and high school classroom and your participation may help to advance the use of scientific inquiry in schools. You will be able to access any published report for use in your teaching.

Right to Refusal or Withdrawal of Participation: Participation in this study is completely voluntary. Please be aware that the educational program is reserved for research participants. You may discontinue the participation in this program at any time without any
penalty of any kind. If you withdraw from the research study, you must also withdraw from
the educational program.

Assurances of Privacy and Confidentiality: Every precaution shall be taken to protect your
privacy and the confidentiality of the records and data pertaining to you in particular and the
research in general, disclosure of which may contribute to identifying you specifically to
persons not related to this research program. Your name will be removed from your
reflections and project reports, raw data — including the videos made of the conversations
and project presentations — will be destroyed no later than three years after completion of
the research. The video material is for data analysis only and will not be utilized by the
Researchers for any other purpose and will not be seen by anyone other than the
Researchers.

Additional Information: If you do not understand any portion of what you are being asked to
do or the contents of this form, the Researchers are available to provide a complete
explanation. Questions relating to this research project are welcome at any time. Please
direct them us at the following address/email/telephone numbers:

Fred Martin, Ph.D.
University of Massachusetts Lowell
Department of Computer Science
Olsen Hall Room 208
1 University Avenue
Lowell, MA 01854
fredm@cs.uml.edu
(978) 934–1964

PRINCIPAL INVESTIGATOR SIGNATURE(S) -See definition of PI for who is authorized to sign here.)
1. Printed Name: Fred G. Martin Signature: Date: August 27, 2008

2. Printed Name: Signature: Date:

PERSON OBTAINING CONSENT
Printed Name: Date:

Signature:

PARTICIPANT SIGNATURE
I understand the foreseeable risks and/or discomfort that have been described in this document. I
have read the statements contained herein, have had the opportunity to fully discuss my concerns and
questions, and fully understand the nature and character of my involvement in this research program
as a participant and the attendant risks and consequences.
Research Participant:
Printed Name: Date:
Signature:

Parent, Guardian, or Legal Representative (if applicable):
Printed Name: Date:
Signature:

Agency or Administrative Official (if applicable):
Printed Name: Date:
Signature: