

Informed Consent

HRISudio Pilot Study – Faculty / Wizard Participant

W-04

Study. You are invited to participate in a research study conducted by Sean O'Connor (Student PI) and Dr. L. Felipe Perrone (Advisor) in the Department of Computer Science at Bucknell University. The study compares the usability and reproducibility of a new visual tool for robot programming (HRISudio) against the standard NAO software (Choregraphe).

What you will do. Your session will take approximately **60 minutes**:

1. **Training (10 min)** — Brief tutorial on your assigned software: speech, gestures, and branching logic.
2. **Design Challenge (20 min)** — You will receive a written story specification and implement it as a robot interaction using your assigned tool.
3. **Live Trial (15 min)** — A student volunteer will enter and you will run your program for them.
4. **Debrief (15 min)** — You will complete a short usability survey.

Data collected. Your screen will be recorded during the design phase. The live trial will be video recorded to assess the robot's behavior. All data is stored on encrypted drives; your identity is replaced with a code (e.g., W-01).

Risks and benefits. No risks beyond normal computer use. Your participation contributes to research on accessible tools for human-robot interaction.

Voluntary participation. Participation is entirely voluntary and unrelated to any professional obligations. You may withdraw at any time without penalty.

Questions. Contact Sean O'Connor at sso005@bucknell.edu or the Bucknell IRB at irb@bucknell.edu (Protocol #2526-025).



Signature

4/8/26

Date

Dabrina D Dutcher

Printed Name