

PARTICIPANT RECRUITMENT MATERIALS

Status: NOT APPLICABLE

Project Information

Project Title: Decision Support Interface for Cloud-Based Biomechanical Processing: Cost-Time Trade-off Optimization

Principal Investigator: Peter Winkler

Affiliation: Computer Science Master's Program (CSMS), Full Sail University

Date: December 7, 2025

Notice

This research study does not require participant recruitment materials.

Per the revised research design (approved by advisor Dr. Andreas Marpaung on December 3, 2025), this study:

1. **Does not involve human participants**
 2. **Does not require external volunteers**
 3. **Does not need recruitment emails, flyers, or social media posts**
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Research Focus

The study evaluates a decision support interface and its underlying algorithms through:

- **System Performance Metrics:** Automatically collected processing times and costs
- **Algorithm Validation:** Pareto frontier optimization effectiveness
- **Output Verification:** C3D file comparison between cloud and on-premises systems
- **Scenario Comparison:** Quantitative analysis of three processing strategies

All evaluation is conducted by the principal investigator using: - Historical processing data owned by KinaTrax (employer) - System-generated performance metrics - Automated file comparison tools

IRB Classification

Risk Category: EXEMPT (No Human Subjects)

This document is retained for record-keeping purposes to document that recruitment materials were considered and determined to be not applicable for this research design.

Historical Context

The original recruitment materials (see Legacy/ folder) were designed for a user study approach that included: - A/B testing of dashboard interfaces - Usability testing with external participants - Field studies with the Data Processing Engineering (DPE) team - Satisfaction surveys

Per committee feedback (November 18, 2025) and advisor guidance (December 3, 2025), the project was pivoted to focus on algorithm and interface design evaluation without external human participants. This eliminates concerns about: - Participant bias (coworkers knowing about the project) - Sample size requirements (20-40 participants originally planned) - IRB complexity for human subjects research - Recruitment timeline constraints

Contact Information

Questions about this determination:

- **Principal Investigator:** Peter Winkler - pwinkler13@students.fullsail.edu
 - **Faculty Advisor:** Dr. Andreas Marpaung - Full Sail University
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