Workshop 1: Live Demo and Tutorial on Human-Centered AI with FonLog

This workshop offers a unique, hands-on experience for researchers and practitioners to explore the FonLog system, a cutting-edge application for Human-Centered AI (HCAI). Unlike traditional paper presentations, this session focuses on *live demonstrations, tutorials, and interactive feedback sessions, allowing participants to engage directly with the technology, analyze sample data, and brainstorm how to adapt it to their own projects.*

The workshop will foster collaboration and innovation, culminating in a summary paper co-authored by all participating attendees who contribute to the feedback sessions.

How This Session is Different?

1. **Focus on Live Demonstrations**:
   - Experience a live demonstration of the **FonLog system**, a software application designed for **Big Data collection** in nursing facilities, hospitals, and research projects. The demo will showcase its functionality, usability, and real-world impact.
   - Explore case studies from Japan and partner universities abroad, highlighting applications in **healthcare monitoring**, **multimodal data analysis**, and **context-aware methods**.

2. **Tutorial Session:**
   - Participate in a **hands-on tutorial** that covers the technical details, design principles, and human-centered aspects of the Fonlog system.
   - Learn how to perform **data analysis** using Fonlog collected data, enabling participants to gauge its applicability to their own projects and systems.

3. **Feedback and Brainstorming Sessions:**
   - Engage in **interactive feedback sessions** to provide constructive input on the system's usability, ethical considerations, and potential improvements.
   - Collaborate with other participants to brainstorm **innovative use cases** and **system adaptations** for their respective projects.

4. **Collaborative Output:**
   - The workshop will produce a **summary paper** documenting the insights, feedback, and ideas generated during the sessions. All attendees who actively participate in the feedback sessions will be listed as **co-authors** on the paper.

5. **Networking and Collaboration:**
    ○ Dedicated time will be allocated for **networking**, allowing participants to connect with peers, share ideas, and explore potential collaborations.

Scope of Demo: During the workshop, we will cover applications of the system on:

● Mobile and website applications for Big Data collection
● Case studies and insights on Healthcare Monitoring
● Applications with Multimodal data and context-Aware methods
● Human-centered AI data summarization
● Techniques and challenges in interpreting complex data streams
● User-centered explanations for AI-driven systems
● Leveraging diverse data sources for comprehensive systems
● Interconnected components in wearable and ubiquitous computing

Organizers:

Christina Garcia, CareXDX Center, Kyushu Institute of Technology
Sozo Inoue, CareXDX Center, Kyushu Institute of Technology

Timeline:

Intent to Participate Form closes	April 1, 2025
Registration deadline	April 15, 2025
Conference & Workshop	May 26-29, 2025

Workshop Duration:

Time (tentative)	Activity
9:00 - 9:15	Welcome and Session Introduction
9:15 - 10:15	Demo and Case-study Presentation

10:15 - 11:15	Tutorial Session
11:15 - 11:40	Feedback Session and Q&A
11:40 - 12:00	Closing

Submission Guidelines

Submissions for intent to participate should be made via CMT under the special session track "Demo Sessions for Human-Centered AI" at
https://cmt3.research.microsoft.com/IVPRICIEV2025/Submission/Index.