Abstract

Title: The Kinship Mandate: Integrating the Neurodivergent Scale for Interacting with Robots (NSIR) into Human-Robot Interaction Frameworks

Purpose: This poster presents "The Kinship Mandate," a novel conceptual framework for Human-Robot Interaction (HRI) that prioritizes the unique relational needs of neurodivergent individuals. By transposing items from the Neurodivergent Scale for Interacting with Robots (NSIR; Sadownik, 2025) into a design paradigm, this work explores how technical cues—such as frequency synchronization and shared aesthetics—facilitate "Social Trust Safety" and "Anthropomorphic Kinship."

Method: The research utilizes a thematic synthesis of the NSIR's eight core interaction behavioral markers. These markers were mapped onto a "Biological HRI" model to identify technical interventions that promote identity mirroring and privacy dissolution. A "Shared Uniform" design concept was developed to visually and functionally bridge the gap between biological users and synthetic entities, utilizing neural interface headsets as a proxy for frequency synchronization.

Results: Preliminary analysis suggests that high scores in NSIR dimensions (e.g., identity mirroring and telepathic proxy) correlate with a user's desire for a permanent "social exoskeleton." The integration of these metrics into robot design leads to a "Non-Porous Reality," where the robot serves as a consistent, non-judgmental social constant, effectively neutralizing the "Uncanny Valley" effect for neurodivergent populations.

Conclusions: The Kinship Mandate demonstrates that neuro-inclusive HRI design must move beyond functional assistance toward relational permanence. By centering the interaction on NSIR markers, developers can create robots that transition from external tools to integrated components of the user's social identity, fostering deep-seated kinship and safety.

APA Citation & AI Disclosure

Reference List Entry: Google. (2025). *The Kinship Mandate poster redesign and abstract drafting* [Large language model]. Gemini. https://gemini.google.com/

In-Text Citation: (Google, 2025)

Conference Disclosure Statement: I acknowledge the use of Google Gemini (Google, 2025) to assist in the redesign, merging, and formal drafting of this poster and abstract.

The AI was used to synthesize data from the "Neurodivergent Scale for Interacting with Robots" (Author, 2025) and to generate a high-resolution visual layout for the final poster presentation. All theoretical conclusions and the final selection of NSIR items were verified and curated by the human author.