





"SMILES, KIDS, HAPPY SONGS!": COLLECTING METAPHORS WITH OLDER ADULTS

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How to encode intuitively:

M1. Reassurance M3. At destination M5. Friends or relatives nearby M7. Device connected M2. Problem M4. Point of Interest M6. Promotions

Into haptic patterns suitable for the older adults?



Proposed Method: Metaphor-Based Design

Metaphor Collection 2. Pattern Design 3. Evaluation with target users (Ongoing) (Future work) E.g. M.5 5 p [2f/3m] avg 72 yrs 15 p [13f/2m] avg 74 yrs 6 p [4f/2m] avg 73 yrs Q2 Q3 Q1 Friends nearby: to indicate the To indicate the message friends or You are shopping in the commercial presence of friends near your relatives nearby, what would you centre. One of your friends is here too! location. What spontaneously associate to it: The device indicates his/her presence. comes to your mind for this - Tactually / at the body level Which object, sound, melody or image message? It can be sensations, - As images, signs, sights would you associate to this message? sounds, images, smells... - Melodies, sounds, noises, music Trust, reassurance, "- kissing, joy "Human presence, my wife, same tastes' - Smiles, kids people here, communicate" - Happy songs' Too focused on the Even more general and Bingo! context or too vague abstract answers With ad-hoc Olfactory / Gustative similarity analysis Welcome / Relief / Tranquility / items / transportation greetings Relayation Friends / Joy / pleasure Relaxing sensation in relation to a visit **Device Connected** At destination Relatives Reassurance Nice scenery Scenery of arriva Relief / M.7 M.5 M.1 Smiles Pressure / ... Kissing / Kids Holding in the arms Blackboard / holding in the arms Light / light indicator sign Beep / Pleasant noise Culinary smell / lively music Music / sound Taste Smell of the sea / happy songs Noise from Exclamations of joy Culinary smell / Smell of the scenery the location Melodies devices switched on Nice music Shouts of joy / kids taste (celebration) Classical music Comforting voice

POI

M 4

Tune / songs

Sign boards /

Nice culinary /

description

flower smell

Findings

Danger signage /

Burnt or gaz

red light

Bad smell

Problem

M.2

Methodology needed to be adapted

Wellbeing /

- Similar metaphors as for a younger age group (Brunet et al. WHC'13)
- Messages were obtained in different modalities



Promotions

M.6

Beep

Vocal annoucement

Images /

Billboards

Culinary taste



Obstacle (

Body pain O

Fright / Chills

Crying / Shouts

Vocal annoucement

Siren / loud noise