

ERRIN PARTNER SEARCH: Prosody variations for improving the cognitive response and the communicative interaction in Alzheimer patient with their caregivers

Outline

- The Department of Communication at Pompeu Fabra University in Barcelona is working on how people process auditory messages by using psychophysiological techniques.
- They are interested in studying how Alzheimer patients process prosody in order to improve communication with their caregivers.
- Some communication guidelines have been recommended to improve the interaction between Alzheimer patients and their caregivers. Prosody (the way to speak using intonation, stress and speech rate) has been only recently studied as a new way to diagnose the disease or with the aim at recognizing emotions.
- However, there are not studies for analyzing whether Alzheimer patients are sensitive to prosody variations and, if so, whether the ways in which caregivers speak to them may improve their communicative interaction.
- The main objective of this project is to analyze whether several prosodic strategies can improve the cognitive response and the communicative interaction between the Alzheimer's disease patients (AD) and their caregivers. The study aims at assessing how a variety of instructions delivered with different prosodic variations is cognitively processed by patients to enhance their attention, motivation, comprehension, and emotional state.
- To do this, a combination of qualitative and quantitative methods will be applied. The qualitative methods will assess the caregivers needs and impressions about their relationship with patients. The quantitative ones will measure the cognitive response of AD patients.
- The experiment will be applied to two different groups of participants: the first one with Alzheimer's patients and the control group with elder people.
- If the AD patients respond to prosody, the results of this study may serve to implement an Alzheimer's Caregiver Training, and a videogame could be used as a tool to measure the prosodic response of AD.

Call

- Topic + Call: SC1-PM-15-2017: Personalised coaching for well being and care of people as they age:
- Funding Programme: Horizon 2020
- EC service: DG RTD

- Link to the call document:<http://ec.europa.eu/research/participants/portal/desktop/en/opportunitie...>
- Closing date: 31 January 2017

Duration

TBD

Partners involved

Pompeu Fabra University + one Spanish partner

Partners type and roles of interest

- They are looking for partners in Europe (except Spain) from universities, research centers or Alzheimer's caregivers associations. In particular:
- Cognitive psychologists (central and peripheral measures), neuropsychologists (specialised in Alzheimer), linguists (specialised in prosody) and communication experts.

Financial aspects

TBD

Deadline

Friday, 4 November, 2016

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