

研究課題名 (和文) Project title (Jp)	高齢者のためのユーザインタフェースデザイン
研究課題名 (英文) Project title (En)	User Interface Design for the Ageing Population
研究代表者氏名 Name of Principal Investigator	Xiangshi Ren
研究代表者所属・役職 Affiliation/title of Principal Investigator	Center for Human-Engaged Computing, Kochi University of Technology ・ Director, Professor

【研究実施の概要】

This project studies novel user interfaces that better suit and adapt to elderly people's movement capabilities and cognitive functioning. For the first past year, the Japanese and Finnish teams focused on smartphone user interfaces, given that existing interfaces remain difficult to use for elderly people. Two packages have been achieved: (1) understanding the needs and preferences of older adults in using smartphones, and (2) developing a text entry interface in smartphones as a case study of interface optimization that is based on parameterization of perceptual, cognitive and motor decline of older adults.

We have published one SIG Meeting paper at ACM CHI (CHI is the most prestigious HCI conference and SIG meeting is a discussion platform in CHI that facilitates dialog and deliberation with senior researchers of HCI on a specific topic):

Charness, N., Dunlop, M., Munteanu, C., Nicol, E., Oulasvirta, A., Ren, X., Sarcar S., Silpasuwanchai, C. (2016). Rethinking Mobile Interfaces for Older Adults, *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI 2016)*. Accepted. (Author names are in the Alphabetical order.)