

大学名	高知工科大学		
University	Kochi University of Technology		
外国人研究者	涂华伟		
Foreign Researcher	Huawei Tu		
受入研究者	任向爽	職名	教授
Research Advisor	Xiangshi Ren	Position	Professor
受入学部/研究科	情報学群		
Faculty/Department	School of Information		

<外国人研究者プロフィール/Profile>

国籍	中国
Nationality	Chinese
所属機関	南京航空航天大学
Affiliation	Nanjing University of Aeronautics and Astronautics
現在の職名	准教授
Position	Associate Professor
研究期間	15/07/2017-12/10/2017
Period of Stay	15/07/2017-12/10/2017
専攻分野	ヒューマンコンピュータインタラクション
Major Field	Human-computer Interaction



Discussion with Prof. Ren

<外国人研究者からの報告/Foreign Researcher Report>

①研究課題 / Theme of Research
A study of evaluating the acceptance of gesture interaction by older adults on smartphones
②研究概要 / Outline of Research
Research has shown the touch gesture interaction is a promising technique on smartphones. However, it is unclear what older adults' attitudes are towards such technique. We therefore conducted a study in which twelve older adults and twelve young adults performed a set of operations with touch gestures and icon-based menus respectively, and rated the two interaction techniques in terms of perceived usefulness, usability and pleasurability.
③研究成果 / Results of Research
Older adults had positive attitudes towards the acceptance of touch gesture interaction on smartphones, while their acceptance levels were relatively lower than young adults in perceived usefulness.
④今後の計画 / Further Research Plan
Base on the research results, future work will examine gesture interaction performance of older adults. Two fundamental questions will be addressed. First, what would older adults' performance be like regarding gesture memorization? Second, how do age-related declines impact on gesture articulation?

<受入研究者からの報告/Research Advisor Report>

①研究課題 / Theme of Research

A study of evaluating the acceptance of gesture interaction by older adults on smartphones

②研究概要 / Outline of Research

This study investigated the older adults towards the acceptance of touch gesture interaction on smartphones. During the research process, we discussed a lot about the significance of this study. I offered my guidance in the design of the experiment and provided payment to the participants. I also gave comments on paper writing to improve the quality of the paper. The staffs and students in my lab also supported the experiments.

③研究成果 / Results of Research

Research results showed that older adults have positive attitudes overall towards the acceptance of touch gesture interaction on smartphones, while their acceptance levels were relatively lower than young adults in perceived usefulness. The results will contribute to designing touch gestures on smartphones for older adults.

④今後の計画 / Further Research Plan

We plan to further examine older adults' performance in gesture memorization and articulation. We will discuss research progress (i.e. experimental design and paper writing) via emails and Skype. We will organize an international conference on interactive technology and aging population which will be held in Beijing in 2018.



My desk in the lab



Workshop with the members in Prof. Ren' Lab