Table of Contents

International Journal of Mobile Human Computer Interaction

Volume 11 • Issue 2 • April-June-2019 • ISSN: 1942-390X • eISSN: 1942-3918

An official publication of the Information Resources Management Association

SPECIAL ISSUE ON RECENT ADVANCES IN AUTOMOTIVE USER INTERFACES AND INTERACTIVE VEHICULAR APPLICATIONS RESEARCH:

GUEST EDITORIAL PREFACE

vi Peter Fröhlich, AIT Austrian Institute of Technology, Seibersdorf, Austria Bruce Walker, Georgia Institute of Technology, Atlanta, USA Birsen Donmez, University of Toronto, Toronto, Canada Andreas Riener, Technische Hochschule Ingolstadt, Ingolstadt, Germany

RESEARCH ARTICLES

1 Effects of Volumetric Augmented Reality Displays on Human Depth Judgments: Implications for Heads-Up Displays in Transportation

Lee Lisle, Virginia Tech, Blacksburg, USA Coleman Merenda, Virginia Tech, Blacksburg, USA Kyle Tanous, Virginia Tech, Blacksburg, USA Hyungil Kim, Virginia Tech, Blacksburg, USA Joseph L Gabbard, Virginia Tech, Blacksburg, USA Doug A. Bowman, Virginia Tech, Blacksburg, USA

19 Follow the Leader: Examining Real and Augmented Reality Lead Vehicles as Driving Navigational Aids

Bethan Hannah Topliss, The University of Nottingham, Nottingham, UK Sanna M. Pampel, University of Nottingham, Nottingham, UK Gary Burnett, University of Nottingham, Nottingham, UK Lee Skrypchuk, Jaguar Land Rover Research, Coventry, UK Chrisminder Hare, Jaguar Land Rover Research, Coventry, UK

39 Thermal Feedback for Simulated Lane Change Scenarios

Patrizia Di Campli San Vito, University of Glasgow, Glasgow, UK Stephen Brewster, University of Glasgow, Glasgow, UK Frank Pollick, University of Glasgow, Glasgow, UK Stuart White, Jaguar Land Rover, Coventry, UK Lee Skrypchuk, Jaguar Land Rover, Coventry, UK Alexandros Mouzakitis, Jaguar Land Rover, Coventry, UK

58 Driving Together Across Vehicle: Effects of Driver/Co-Driver Pairs

Nicole Perterer, University of Salzburg, Salzburg, Austria Susanne Stadler, XRUX, Elsbethen, Austria Alexander Meschtscherjakov, University of Salzburg, Salzburg, Austria Manfred Tscheligi, University of Salzburg, Salzburg, Austria

75 Function-Specific Uncertainty Communication in Automated Driving

Alexander Kunze, Loughborough University, Loughborough, UK Stephen J. Summerskill, Loughborough University, Loughborough, UK Russell Marshall, Loughborough University, Loughborough, UK Ashleigh J. Filtness, Loughborough University, Loughborough, UK

Copyright

The International Journal of Mobile Human Computer Interaction (IJMHCI) (ISSN 1942-390X; eISSN 1942-3918), Copyright © 2019 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Mobile Human Computer Interaction is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; GetCited; Google Scholar; HCIBIB; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); PsycINFO®; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)