

Table of Contents

International Journal of Mobile Human Computer Interaction

Volume 9 • Issue 3 • July-September-2017 • ISSN: 1942-390X • eISSN: 1942-3918

An official publication of the Information Resources Management Association

Special Issue on Automotive User-Interfaces (Part 2)

Guest Editorial Preface

vi Gary Burnett, Human Factors Research Group, Faculty of Engineering, University of Nottingham, Nottingham, UK

Research Articles

1 Using Multimodal Displays to Signify Critical Handovers of Control to Distracted Autonomous Car Drivers

Ioannis Politis, School of Computing Science, University of Glasgow, Glasgow, UK
Stephen Brewster, School of Computing Science, University of Glasgow, Glasgow, UK
Frank Pollick, School of Psychology, University of Glasgow, Glasgow, UK

17 Using a Vibrotactile Seat for Facilitating the Handover of Control during Automated Driving

Ariel Telpaz, General Motors R&D, Advanced Technical Center, Herzliya, Israel
Brian Rhindress, General Motors R&D, Advanced Technical Center, Herzliya, Israel
Ido Zelman, General Motors R&D, Advanced Technical Center, Herzliya, Israel
Omer Tsimhoni, General Motors R&D, Advanced Technical Center, Herzliya, Israel

34 Skyline: A Platform Towards Scalable UX-Centric In-Vehicle HMI Development

Ignacio Alvarez, Intel Labs, Hillsboro, OR, USA
Laura Rumbel, Intel Corporation, Hillsboro, OR, USA

54 Investigating the Feasibility of Vehicle Telemetry Data as a Means of Predicting Driver Workload

Phillip Taylor, Department of Computer Science, University of Warwick, Coventry, UK
Nathan Griffiths, Department of Computer Science, University of Warwick, Coventry, UK
Abhir Bhalerao, Department of Computer Science, University of Warwick, Coventry, UK
Zhou Xu, Jaguar and Land Rover Research, Coventry, UK
Adam Gelencser, Jaguar and Land Rover Research, Coventry, UK
Thomas Popham, Jaguar and Land Rover Research, Coventry, UK

COPYRIGHT

The *International Journal of Mobile Human Computer Interaction (IJMHCI)* (ISSN 1942-390X; eISSN 1942-3918), Copyright © 2017 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