

Founding Editors

Gerhard Goos

Karlsruhe Institute of Technology, Karlsruhe, Germany

Juris Hartmanis

Cornell University, Ithaca, NY, USA

Editorial Board Members

Elisa Bertino

Purdue University, West Lafayette, IN, USA

Wen Gao

Peking University, Beijing, China

Bernhard Steffen 

TU Dortmund University, Dortmund, Germany

Gerhard Woeginger 

RWTH Aachen, Aachen, Germany

Moti Yung

Columbia University, New York, NY, USA

More information about this series at <http://www.springer.com/series/7409>

Heidi Krömker (Ed.)

HCI in Mobility, Transport, and Automotive Systems

Driving Behavior, Urban and Smart Mobility

Second International Conference, MobiTAS 2020

Held as Part of the 22nd HCI International Conference, HCII 2020

Copenhagen, Denmark, July 19–24, 2020

Proceedings, Part II



Springer

Editor
Heidi Krömker
Institute of Media Technology
Ilmenau University of Technology
Ilmenau, Germany

ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-030-50536-3 ISBN 978-3-030-50537-0 (eBook)
<https://doi.org/10.1007/978-3-030-50537-0>

LNCS Sublibrary: SL3 – Information Systems and Applications, incl. Internet/Web, and HCI

© Springer Nature Switzerland AG 2020

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, express or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Foreword

The 22nd International Conference on Human-Computer Interaction, HCI International 2020 (HCII 2020), was planned to be held at the AC Bella Sky Hotel and Bella Center, Copenhagen, Denmark, during July 19–24, 2020. Due to the COVID-19 coronavirus pandemic and the resolution of the Danish government not to allow events larger than 500 people to be hosted until September 1, 2020, HCII 2020 had to be held virtually. It incorporated the 21 thematic areas and affiliated conferences listed on the following page.

A total of 6,326 individuals from academia, research institutes, industry, and governmental agencies from 97 countries submitted contributions, and 1,439 papers and 238 posters were included in the conference proceedings. These contributions address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The contributions thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The volumes constituting the full set of the conference proceedings are listed in the following pages.

The HCI International (HCII) conference also offers the option of “late-breaking work” which applies both for papers and posters and the corresponding volume(s) of the proceedings will be published just after the conference. Full papers will be included in the “HCII 2020 - Late Breaking Papers” volume of the proceedings to be published in the Springer LNCS series, while poster extended abstracts will be included as short papers in the “HCII 2020 - Late Breaking Posters” volume to be published in the Springer CCIS series.

I would like to thank the program board chairs and the members of the program boards of all thematic areas and affiliated conferences for their contribution to the highest scientific quality and the overall success of the HCI International 2020 conference.

This conference would not have been possible without the continuous and unwavering support and advice of the founder, Conference General Chair Emeritus and Conference Scientific Advisor Prof. Gavriel Salvendy. For his outstanding efforts, I would like to express my appreciation to the communications chair and editor of HCI International News, Dr. Abbas Moallem.

July 2020

Constantine Stephanidis

HCI International 2020 Thematic Areas and Affiliated Conferences

Thematic areas:

- HCI 2020: Human-Computer Interaction
- HIMI 2020: Human Interface and the Management of Information

Affiliated conferences:

- EPCE: 17th International Conference on Engineering Psychology and Cognitive Ergonomics
- UAHCI: 14th International Conference on Universal Access in Human-Computer Interaction
- VAMR: 12th International Conference on Virtual, Augmented and Mixed Reality
- CCD: 12th International Conference on Cross-Cultural Design
- SCSM: 12th International Conference on Social Computing and Social Media
- AC: 14th International Conference on Augmented Cognition
- DHM: 11th International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management
- DUXU: 9th International Conference on Design, User Experience and Usability
- DAPI: 8th International Conference on Distributed, Ambient and Pervasive Interactions
- HCIBGO: 7th International Conference on HCI in Business, Government and Organizations
- LCT: 7th International Conference on Learning and Collaboration Technologies
- ITAP: 6th International Conference on Human Aspects of IT for the Aged Population
- HCI-CPT: Second International Conference on HCI for Cybersecurity, Privacy and Trust
- HCI-Games: Second International Conference on HCI in Games
- MobiTAS: Second International Conference on HCI in Mobility, Transport and Automotive Systems
- AIS: Second International Conference on Adaptive Instructional Systems
- C&C: 8th International Conference on Culture and Computing
- MOBILE: First International Conference on Design, Operation and Evaluation of Mobile Communications
- AI-HCI: First International Conference on Artificial Intelligence in HCI

Conference Proceedings Volumes Full List

1. LNCS 12181, Human-Computer Interaction: Design and User Experience (Part I), edited by Masaaki Kurosu
2. LNCS 12182, Human-Computer Interaction: Multimodal and Natural Interaction (Part II), edited by Masaaki Kurosu
3. LNCS 12183, Human-Computer Interaction: Human Values and Quality of Life (Part III), edited by Masaaki Kurosu
4. LNCS 12184, Human Interface and the Management of Information: Designing Information (Part I), edited by Sakae Yamamoto and Hirohiko Mori
5. LNCS 12185, Human Interface and the Management of Information: Interacting with Information (Part II), edited by Sakae Yamamoto and Hirohiko Mori
6. LNAI 12186, Engineering Psychology and Cognitive Ergonomics: Mental Workload, Human Physiology, and Human Energy (Part I), edited by Don Harris and Wen-Chin Li
7. LNAI 12187, Engineering Psychology and Cognitive Ergonomics: Cognition and Design (Part II), edited by Don Harris and Wen-Chin Li
8. LNCS 12188, Universal Access in Human-Computer Interaction: Design Approaches and Supporting Technologies (Part I), edited by Margherita Antona and Constantine Stephanidis
9. LNCS 12189, Universal Access in Human-Computer Interaction: Applications and Practice (Part II), edited by Margherita Antona and Constantine Stephanidis
10. LNCS 12190, Virtual, Augmented and Mixed Reality: Design and Interaction (Part I), edited by Jessie Y. C. Chen and Gino Fragomeni
11. LNCS 12191, Virtual, Augmented and Mixed Reality: Industrial and Everyday Life Applications (Part II), edited by Jessie Y. C. Chen and Gino Fragomeni
12. LNCS 12192, Cross-Cultural Design: User Experience of Products, Services, and Intelligent Environments (Part I), edited by P. L. Patrick Rau
13. LNCS 12193, Cross-Cultural Design: Applications in Health, Learning, Communication, and Creativity (Part II), edited by P. L. Patrick Rau
14. LNCS 12194, Social Computing and Social Media: Design, Ethics, User Behavior, and Social Network Analysis (Part I), edited by Gabriele Meiselwitz
15. LNCS 12195, Social Computing and Social Media: Participation, User Experience, Consumer Experience, and Applications of Social Computing (Part II), edited by Gabriele Meiselwitz
16. LNAI 12196, Augmented Cognition: Theoretical and Technological Approaches (Part I), edited by Dylan D. Schmorrow and Cali M. Fidopiastis
17. LNAI 12197, Augmented Cognition: Human Cognition and Behaviour (Part II), edited by Dylan D. Schmorrow and Cali M. Fidopiastis

18. LNCS 12198, Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management: Posture, Motion and Health (Part I), edited by Vincent G. Duffy
19. LNCS 12199, Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management: Human Communication, Organization and Work (Part II), edited by Vincent G. Duffy
20. LNCS 12200, Design, User Experience, and Usability: Interaction Design (Part I), edited by Aaron Marcus and Elizabeth Rosenzweig
21. LNCS 12201, Design, User Experience, and Usability: Design for Contemporary Interactive Environments (Part II), edited by Aaron Marcus and Elizabeth Rosenzweig
22. LNCS 12202, Design, User Experience, and Usability: Case Studies in Public and Personal Interactive Systems (Part III), edited by Aaron Marcus and Elizabeth Rosenzweig
23. LNCS 12203, Distributed, Ambient and Pervasive Interactions, edited by Norbert Streitz and Shin'ichi Konomi
24. LNCS 12204, HCI in Business, Government and Organizations, edited by Fiona Fui-Hoon Nah and Keng Siau
25. LNCS 12205, Learning and Collaboration Technologies: Designing, Developing and Deploying Learning Experiences (Part I), edited by Panayiotis Zaphiris and Andri Ioannou
26. LNCS 12206, Learning and Collaboration Technologies: Human and Technology Ecosystems (Part II), edited by Panayiotis Zaphiris and Andri Ioannou
27. LNCS 12207, Human Aspects of IT for the Aged Population: Technologies, Design and User Experience (Part I), edited by Qin Gao and Jia Zhou
28. LNCS 12208, Human Aspects of IT for the Aged Population: Healthy and Active Aging (Part II), edited by Qin Gao and Jia Zhou
29. LNCS 12209, Human Aspects of IT for the Aged Population: Technology and Society (Part III), edited by Qin Gao and Jia Zhou
30. LNCS 12210, HCI for Cybersecurity, Privacy and Trust, edited by Abbas Moallem
31. LNCS 12211, HCI in Games, edited by Xiaowen Fang
32. LNCS 12212, HCI in Mobility, Transport and Automotive Systems: Automated Driving and In-Vehicle Experience Design (Part I), edited by Heidi Krömker
33. LNCS 12213, HCI in Mobility, Transport and Automotive Systems: Driving Behavior, Urban and Smart Mobility (Part II), edited by Heidi Krömker
34. LNCS 12214, Adaptive Instructional Systems, edited by Robert A. Sottilare and Jessica Schwarz
35. LNCS 12215, Culture and Computing, edited by Matthias Rauterberg
36. LNCS 12216, Design, Operation and Evaluation of Mobile Communications, edited by Gavriel Salvendy and June Wei
37. LNCS 12217, Artificial Intelligence in HCI, edited by Helmut Degen and Lauren Reinerman-Jones

38. CCIS 1224, HCI International 2020 Posters - Part I, edited by Constantine Stephanidis and Margherita Antona
39. CCIS 1225, HCI International 2020 Posters - Part II, edited by Constantine Stephanidis and Margherita Antona
40. CCIS 1226, HCI International 2020 Posters - Part III, edited by Constantine Stephanidis and Margherita Antona

<http://2020.hci.international/proceedings>



Second International Conference on HCI in Mobility, Transport and Automotive Systems (MobiTAS 2020)

Program Board Chair: Heidi Krömker, TU Ilmenau, Germany

- Angelika C. Bullinger, Germany
- Bertrand David, France
- Marco Diana, Italy
- Christophe Kolski, France
- Lutz Krauss, Germany
- Josef F. Krems, Germany
- Lena Levin, Sweden
- Peter Mörtl, Austria
- Gerrit Meixner, Germany
- Lionel Robert, USA
- Philipp Rode, Germany
- Matthias Roetting, Germany
- Thomas Schlegel, Germany
- Ulrike Stopka, Germany
- Alejandro Tirachini, Chile
- Xiaowei Yuan, China

The full list with the Program Board Chairs and the members of the Program Boards of all thematic areas and affiliated conferences is available online at:

<http://www.hci.international/board-members-2020.php>



HCI International 2021

The 23rd International Conference on Human-Computer Interaction, HCI International 2021 (HCII 2021), will be held jointly with the affiliated conferences in Washington DC, USA, at the Washington Hilton Hotel, July 24–29, 2021. It will cover a broad spectrum of themes related to Human-Computer Interaction (HCI), including theoretical issues, methods, tools, processes, and case studies in HCI design, as well as novel interaction techniques, interfaces, and applications. The proceedings will be published by Springer. More information will be available on the conference website: <http://2021.hci.international/>.

General Chair

Prof. Constantine Stephanidis

University of Crete and ICS-FORTH

Heraklion, Crete, Greece

Email: general_chair@hci2021.org

<http://2021.hci.international/>



Contents – Part II

Studies on Driving Behavior

Hand-Skin Temperature Response to Driving Fatigue: An Exploratory Study	3
<i>Leandro L. Di Stasi, Evelyn Gianfranchi, and Carolina Diaz-Piedra</i>	
Toward Driver State Models that Explain Interindividual Variability of Distraction for Adaptive Automation	15
<i>Margit Höfler and Peter Moertl</i>	
Development of a Driving Model That Understands Other Drivers' Characteristics	29
<i>Shota Matsubayashi, Hitoshi Terai, and Kazuhisa Miwa</i>	
Voice User-Interface (VUI) in Automobiles: Exploring Design Opportunities for Using VUI Through the Observational Study.	40
<i>Fangang Meng, Peiyao Cheng, and Yiran Wang</i>	
Measuring Driver Distraction with the Box Task – A Summary of Two Experimental Studies	51
<i>Tina Morgenstern, Daniel Trommler, Yannick Forster, Frederik Naujoks, Sebastian Hergeth, Josef F. Krems, and Andreas Keinath</i>	
I Care Who and Where You Are – Influence of Type, Position and Quantity of Oncoming Vehicles on Perceived Safety During Automated Driving on Rural Roads.	61
<i>Patrick Rossner and Angelika C. Bullinger</i>	
Evaluation of Driver Drowsiness While Using Automated Driving Systems on Driving Simulator, Test Course and Public Roads	72
<i>Toshihisa Sato, Yuji Takeda, Motoyuki Akamatsu, and Satoshi Kitazaki</i>	
Conflict Situations and Driving Behavior in Road Traffic – An Analysis Using Eyetracking and Stress Measurement on Car Drivers	86
<i>Swenja Sawilla, Christine Keller, and Thomas Schlegel</i>	
Decision-Making in Interactions Between Two Vehicles at a Highway Junction	104
<i>Asaya Shimojo, Yuki Ninomiya, Shota Matsubayashi, Kazuhisa Miwa, Hitoshi Terai, Hiroyuki Okuda, and Tatsuya Suzuki</i>	

Influencing Driver's Behavior on an Expressway with Intrinsic Motivation	114
<i>Toshiki Takeuchi, Ryosuke Mita, Naoya Okada, Tomohiro Tanikawa, Takuji Narumi, and Michitaka Hirose</i>	
The Relationship Between Drowsiness Level and Takeover Performance in Automated Driving	125
<i>Yanbin Wu, Ken Kihara, Yuji Takeda, Toshihisa Sato, Motoyuki Akamatsu, and Satoshi Kitazaki</i>	
Urban and Smart Mobility	
Toolbox for Analysis and Evaluation of Low-Emission Urban Mobility	145
<i>Felix Böhm, Christine Keller, Waldemar Titov, Mathias Trefzger, Jakub Kuspiel, Swenja Sawilla, and Thomas Schlegel</i>	
Training Pedestrian Safety Skills in Youth with Intellectual Disabilities Using Fully Immersive Virtual Reality - A Feasibility Study	161
<i>Robin Cherix, Francesco Carrino, Geneviève Piérart, Omar Abou Khaled, Elena Mugellini, and Dominique Wunderle</i>	
A Decision Support System for Terminal Express Delivery Route Planning	176
<i>Jiazhuo Fu and Wenzhu Liao</i>	
A Tactile Interface to Steer Power Wheelchairs for People Suffering from Neuromuscular Diseases	190
<i>Youssef Guedira, Delphine Dervin, Pierre-Eric Brohm, René Farcy, and Yacine Bellik</i>	
A Methodological Approach to Determine the Benefits of External HMI During Interactions Between Cyclists and Automated Vehicles: A Bicycle Simulator Study	211
<i>Christina Kaß, Stefanie Schoch, Frederik Naujoks, Sebastian Hergeth, Andreas Keinath, and Alexandra Neukum</i>	
Mobility-as-a-Service: Tentative on Users, Use and Effects	228
<i>I. C. MariAnne Karlsson</i>	
A Passenger Context Model for Adaptive Passenger Information in Public Transport	238
<i>Christine Keller, Waldemar Titov, and Thomas Schlegel</i>	
An Evaluation Environment for User Studies in the Public Transport Domain	249
<i>Christine Keller, Waldemar Titov, Mathias Trefzger, Jakub Kuspiel, Naemi Gerst, and Thomas Schlegel</i>	

Design Guidelines for the Simulation of the Usage Context “Station” in VR Environment	267
<i>Regina Koreng</i>	
UI Proposal for Shared Autonomous Vehicles: Focusing on Improving User’s Trust	282
<i>Minhee Lee and Younjoon Lee</i>	
Employees’ Vulnerability – The Challenge When Introducing New Technologies in Local Authorities	297
<i>Ann-Marie Nienaber, Sebastian Spundflasch, Andre Soares, and Andree Woodcock</i>	
PRONTOMovel – A Way of Transporting Creativity and Technology	308
<i>Regiane Pupo</i>	
Multimodal Mobility Packages – Concepts and Methodological Design Approaches	318
<i>Ulrike Stopka</i>	
A Multi-device Evaluation Approach of Passenger Information Systems in Smart Public Transport	340
<i>Waldemar Titov, Hoa Tran, Christine Keller, and Thomas Schlegel</i>	
Investigating the Influencing Factors of User Experience in Car-Sharing Services: An Application of DEMATEL Method	359
<i>Yufei Xie, Hanyue Xiao, Tianjia Shen, and Ting Han</i>	
Assistive Systems for Special Needs in Mobility in the Smart City	376
<i>Chuantao Yin, Bertrand David, René Chalon, and Hao Sheng</i>	
Author Index	397

Contents – Part I

UX Topics in Automated Driving

Shut Up and Drive? User Requirements for Communication Services in Autonomous Driving	3
<i>Hannah Biermann, Ralf Philipsen, Teresa Brell, and Martina Ziefle</i>	
Towards User-Focused Vehicle Automation: The Architectural Approach of the AutoAkzept Project	15
<i>Uwe Drewitz, Klas Ihme, Carsten Bahnmüller, Tobias Fleischer, HuuChuong La, Anna-Antonia Pape, Daniela Gräfin, Dario Niermann, and Alexander Trende</i>	
In the Passenger Seat: Differences in the Perception of Human vs. Automated Vehicle Control and Resulting HMI Demands of Users	31
<i>Franziska Hartwich, Cornelia Schmidt, Daniela Gräfin, and Josef F. Krems</i>	
Ambivalence in Stakeholders' Views on Connected and Autonomous Vehicles	46
<i>Celina Kacperski, Tobias Vogel, and Florian Kutzner</i>	
User Perception and the Effect of Forms and Movements in Human-Machine Interaction Applying Steer-By-Wire for Autonomous Vehicles.	58
<i>Dokshin Lim, Jihoon Lee, and Sung Mahn Kim</i>	
Human-Systems Integration for Driving Automation Systems: Holistic Approach for Driver Role Integration and Automation Allocation for European Mobility Needs	78
<i>Peter Moertl</i>	
Affective Use Cases for Empathic Vehicles in Highly Automated Driving: Results of an Expert Workshop.	89
<i>Michael Oehl, Klas Ihme, Anna-Antonia Pape, Mathias Vukelić, and Michael Braun</i>	
A Pilot Study on the Dynamics of Online Risk Assessment by the Passenger of a Self-driving Car Among Pedestrians.	101
<i>Jeffery Petit, Camilo Charron, and Franck Mars</i>	
Fluid Interface Concept for Automated Driving.	114
<i>Paolo Pretto, Peter Mörtl, and Norah Neuhuber</i>	

Human Factor Considerations on Timing of Driver Taking Over in Automated Driving Systems: A Literature Review	131
<i>Hua Qin, Ran Zhang, and Tingru Zhang</i>	
Gender Differences in Simulation Sickness in Static vs. Moving Platform VR Automated Driving Simulation	146
<i>Stanislava Rangelova, Karolin Rehm, Sarah Diefenbach, Daniel Motus, and Elisabeth André</i>	
Measures for Well-Being in Highly Automated Vehicles: The Effect of Prior Experience	166
<i>Vanessa Sauer, Alexander Mertens, Alexander Heyden, Stefan Groß, and Verena Nitsch</i>	
A Field Study of External HMI for Autonomous Vehicles When Interacting with Pedestrians	181
<i>Ya Wang and Qiang Xu</i>	
Designing In-Vehicle Experiences	
Evaluating HMI-Development Approaches from an Automotive Perspective	199
<i>Jan Bavendiek, Yannick Ostad, and Lutz Eckstein</i>	
Smart and Seamless: Investigating User Needs and Recognition for Smartphone-Automobile Interactive Features	217
<i>Hsinwen Chang and Liping Li</i>	
The More You Know, The More You Can Trust: Drivers' Understanding of the Advanced Driver Assistance System.	230
<i>Jiyong Cho and Jeongyun Heo</i>	
An Introduction to a Psychoanalytic Framework for Passengers' Experience in Autonomous Vehicles	249
<i>Guy Cohen-Lazry, Amit Edelstein, Asaf Degani, and Tal Oron-Gilad</i>	
Weaving Social Networks from Smart Card Data: An On-Journey-Accompanying Approach.	266
<i>Wei Geng and Dingzhe Zhang</i>	
Effective Alerts for Autonomous Solutions to Aid Drivers Experiencing Medical Anomalies	279
<i>Mariah Havro and Tony Morelli</i>	
Complexity in In-Vehicle Touchscreen Interaction: A Literature Review and Conceptual Framework.	289
<i>Young Woo Kim, Da Yeong Kim, and Yong Gu Ji</i>	

The Effects of Collision Avoidance Warning Systems on Driver's Visual Behaviors.	298
<i>Jung Hyup Kim</i>	
Acceptance and Diffusion of Services Based on Secure Elements in Smartphones – Study Design and First Results of the Pretests.	310
<i>Andreas Kreisel, Gertraud Schäfer, and Ulrike Stopka</i>	
Ontology for Mobility of People with Intellectual Disability: Building a Basis of Definitions for the Development of Navigation Aid Systems	322
<i>Laurie Letalle, Aymen Lakehal, Hursula Mengue-Topio, Johann Saint-Mars, Christophe Kolski, Sophie Lepreux, and Françoise Anceaux</i>	
The Effect of Multiple Visual Variables on Size Perception in Geographic Information Visualization	335
<i>Yun Lin, Chengqi Xue, Yanfei Zhu, and Mu Tong</i>	
Research on Innovative Vehicle Human-Machine Interaction System and Interface Level Design.	352
<i>Jia-xin Liu, Xue Zhao, and Ying Cao</i>	
Age-Related Differences in the Interaction with Advanced Driver Assistance Systems - A Field Study	363
<i>Norah Neuhuber, Gernot Lechner, Tahir Emre Kalayci, Alexander Stocker, and Bettina Kubicek</i>	
Using Augmented Reality to Mitigate Blind Spots in Trucks	379
<i>Dan Roland Persson, Valentino Servizi, Tanja Lind Hansen, and Per Bækgaard</i>	
Range InSight: Visualizing Range-Related Information in Battery Electric Buses.	393
<i>Jacob Stahl, Markus Gödker, and Thomas Franke</i>	
Investigating the Benefits of Haptic Feedback During In-Car Interactions in Virtual Reality	404
<i>Mareike Stamer, Joseph Michaels, and Johannes Tümler</i>	
A Fluid-HMI Approach for Haptic Steering Shared Control for the HADRIAN Project	417
<i>Myriam E. Vaca-Recalde, Mauricio Marcano, Joseba Sarabia, Leonardo González, Joshué Pérez, and Sergio Díaz</i>	
BLOKCAR: A Children Entertainment System to Enrich and Enhance Family Car Travel Experience	429
<i>Hsin-Man Wu, Zhenyu (Cheryl) Qian, and Yingjie (Victor) Chen</i>	

**Influence of Position and Interface for Central Control Screen on Driving
Performance of Electric Vehicle 445**
 Ran Zhang, Hua Qin, Ji Tao Li, and Hao Bo Chen

Author Index 453