

Expert Network Traffic & Transport Information Systems

Improving the systematic exchange of information and forging links between individuals and teams which share a common interest in traffic/transport related RTD (Research, Technology Development and Demonstration).



IIID Expert Network Traffic & Transport Information Systems



IIID Expert Fora Traffic&Transport Information Systems

The Expert Forum Traffic&Transport serves the shared interests of planners/designers, researchers, suppliers, essential users, transport authorities and educators and provides the annual meeting ground for face to face discussions. Focusing on the latest developments and trends deemed to be the currently most relevant, implications and expected impact surface and become tangible.



Date	No.	Expert Fora Traffic&Transport	Prime Sponsors/Partners
2006 14/15 Sept.	1 st	Professional wayshowing for individual way-finding through intelligent signage and beyond Office Park, Vienna Airport, Austria	bm vif
2007 2/3 Oct.	2 nd	Barrierfree Information for Public Transport Bundesamtsgebäude, Vienna, Austria	bm vif
2008 4/5 Sept.	3 rd	Infoconnectivity: Intertwined information for interconnected transport networks Tech Gate Vienna, Austria	bm vif
2009 10/11 Sept.	4 th	Scheduled & on-demand transport: Envisioning information driven alliances Tech Gate Vienna, Austria	bm vif
2010 9-10 Sept.	5 th	Real time information in multimodal transport networks Tech Gate Vienna, Austria	bm vif
2011 8-9 Sept.	6 th	Traffic, transport and social media Tech Gate Vienna, Austria	bm vif
2012 6-7 Sept.	7th	New challenges, new education, new jobs St. Pölten, Austria	bm vif

Statistics Expert Fora 2006-2012

Participants...199	Austria	Colombia	Great Britain	Japan	South Africa
Speakers.....117	Australia	Czech Republic	Greece	The Netherlands	Spain
Presentations..149	Belgium	Denmark	Hungary	Norway	Sweden
	Bulgaria	Finland	India	Poland	Switzerland
Countries represented.....30	Canada	France	Iceland	Portugal	Taiwan
	Chile	Germany	Italy	Slovenia	USA

IIID Expert Network Traffic&Transport



The IIID Expert Network "Traffic&Transport" aims at improving the systematic exchange of information and forging links between individuals and teams which share a common interest in traffic/transport related RTD (Research, Technology Development and Demonstration).

A critical mass of experts (researchers, developers and designers) is brought together by IIID in order to advance towards common strategic goals, to the benefit of individuals, organizations and societies involved in the practice and the implications of traffic/transport.



The IIID Expert Network Traffic and Transport is

- Member of the Sounding board of the British Department for Transport** to review the British traffic signs and the provision of a traffic sign system that meets the challenging needs of the road user
- Observer in ESG4-Mare Nostrum VMS Harmonisation (EasyWay)** – a project for harmonised Europe-wide Intelligent Transport Services deployment on the Trans-European Road Network
- IIID: UITP Associate Member** (UITP = International Association of Public Transport)
- Member of Österreichische Forschungsgesellschaft Straße, Schiene, Verkehr**

Current and concluded projects

IC-IC: Enhancing interconnectivity through infoconnectivity (2011–2014) Enhancing interconnectivity of short and long distance transport networks through passenger focused interlinked information-connectivity. 7th EC Framework Programme Collaborative Project, coordinated by IIID.



Surrounding traffic info and warning: Part of "Safeway-2school / Integrated system for safe transportation of children to school" (2009–2012). 7th EC Framework Programme Collaborative Project, coordinated by VTI Statens väg och transportforskningsinstitut, Sweden.

• **School Bus (Stop) Sign**, enhanced for visibility over greater viewing distances (MoA method), proposed substitute for Recommendation 2.2 of the United Nation's Economic Commission for Europe, Inland Transport Committee. (1998). Consolidated resolution on Road Traffic (R.E.1). Annex 1.



MSc course Traffic & Transport Information Design (distance teaching) under the auspices of UNESCO. Anticipated project partner: Universidad Autónoma de Occidente, Cali, Colombia.

MSc Traffic & Transport Information Design

Cooperation with ÖAMTC Austrian Automobile, Motorcycle and Touring Club (ongoing) to revive the initiative towards the European Parking Association's European Parking Quality Standard.

Contribution to the EasyWay Annual Forum 2009 "VMS: Pictograms, 'Europeanisms' and a new typeface".

ESG4-Mare Nostrum VMS Harmonisation / IIID joint workshop on the visual perception and comprehension of traffic information on motorways (Nov. 2009).

SOMS Substituting/Optimizing (variable) Message Signs for the TERN Trans European Road Network (2008) part of "IN-SAFETY Infrastructure and Safety", 6th EC Research Framework Programme. By relating to the physiological, cognitive and technical requirements of information to be displayed on Variable Message Signs (VMS) and conventional road signs the IIID lead consortium elaborated:



• **MoA method** Design methodology to enhance visual information for today's demanding road environments: more cars, denser traffic, higher speeds, an increasing number of road signs, and an ageing population. Enhancing visibility over greater viewing distances, providing more time for drivers to react.

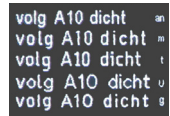


• **TernSymbols**, a wide range of pictograms for road traffic related use, with contributions of Stefan Egger, Fred Inklaar/Paul Mijksenaar, Ian McLaren, Ole Søndergaard, tested for understanding and ease of recognition.

• **Road traffic typeface Tern**, capable of displaying 23 EU languages including Greek, designed by Erik Spiekermann and tested by Danube University Krems. Replaces Austrian road traffic typeface since 2010.



• **Road traffic typeface Tern VMS** has become standard on Dutch roads for use on full-matrix VMS-displays in 2009.



• **Key meanings**, a set of short traffic relevant verbal messages to be understood throughout Europe, defined by INFOTERM.

• a **content structure** for the emerging generation of freely programmable VMS, employing the elements referred to above.

Consortium partners and members of the IIID Design Panel were from the Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Luxembourg, The Netherlands, and Spain.

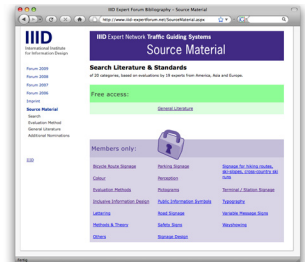
Contributing Austrian organizations: Danube University Krems (DUK), International Information Centre for Terminology (INFOTERM), Kuratorium für Verkehrssicherheit (KfV), Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT), ASFINAG Verkehrstelematik GmbH.

b.unt: barrierefrei unterwegs – Barrierefreie Information im Verkehrssystem (2007). Study commissioned by the BMVIT Austrian Federal Ministry for Transport, Innovation and Technology, in preparation of the national research programme "ways2go".



Road traffic typeface Tern Narrow a new font style, complementing the "Tern" road traffic-typeface, commissioned by the Austrian Verkehrssicherheitsfonds (2009). Substitutes the Austrian "Verkehrs-Engschrift" since 2010.

Source Material. The IIID Traffic & Transport Source Material is based on an inquiry among the participants of the 2006 IIID Expert Forum Traffic Guiding Systems. About 300 sources (literature and standards/regulations) were nominated, categorized and evaluated. The resulting sources are available online and linked to Amazon.



Guiding Motorists to Motorway Entry Ramps (2003). Lead Organisation: Ludwig Boltzmann Institute for Accident Research, Wien/Vienna. Client: Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT).

The International Institute for Information Design (IIID)

IIID
International
Institute for
Information
Design

The International Institute for Information Design (IIID) was founded to develop research and practice in optimizing information and information systems for knowledge transfer in everyday life, business, education and science.

Activities so far have decisively fostered the definition of the new field of knowledge and professional practice and made IIID a globally renowned authority in the field.

UTP Member
International Association
of Public Transport



IIID is an Associate of the OECD Global Project on "Measuring the Progress of Societies"



IIID is recommended by UNESCO as a partner organization for world wide co-operation on matters of information design (Resolution 4.9 of the 28th General Conference of UNESCO, 1995, Paris)

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ZVR-Zahl: 268305057

IIID Traffic&Transport Information Systems speakers 2006 to 2012

- Giuseppe Attoma** (Attoma SARL, FR)
Infoconnectivity: A Multi-modal Trip to Babel. Methodological approaches: from information design to service design. 3
On-board dynamic information systems for public transport. 2
750,000 travellers a day - or how to fit lots of busy people in the same space- A continuation of the talk given at Vision Plus 13/DD4D. 4
Real Time Information as a Shared Continuum for Clients and Information Agents. 5
Designing new public transport information standards: Methods, processes and skills for innovation. 7
John Austin (Austin Analytics, UK)
Use of Facebook and Twitter by public transport operators and authorities in a time of crisis: experience from the UK and Ireland. 6
Erel Avineri (University of the West of England, UK)
Applying 'Choice Architecture' in the design of Travel Information Systems. 4
Andrew Baker (Davis Associates Ltd, UK)
People-centred design for rail station wayfinding. 2
Georg Barta (University of Applied Sciences FH St. Poelten, AT)
Railway Infrastructure Technology – Bachelor and Master study programmes. 7
Konrad Baumann (FH Joanneum, University of Applied Sciences, AT)
User-centred design of mobility-related services. 4
László Becker (Municipality of the City of Budapest, HU)
Modern ITS Solutions in the Public Transport Strategy of Budapest. 5
Phil Berczuk (Steer Davies Gleave, UK)
Bringing Confidence into Public Transport:Dundee Public Transport Information System. 2
Gerhard Besau (OeBB-Infrastruktur AG, AT)
Planning the new Vienna central railway station: Requirements on passenger information. 3
Multimodal Passenger Information Systems in the New Central Stations of Salzburg and Vienna. 5
Chris Bleuel (Fuenfwerken, DE)
Intelligent Pipelining: with the help of mobile devices public transport will become more effective for the user. 4
On Demand Web Services for Users of Munich's Public Transport System (Here we are and where we are going) [with Helmut Ness]. 5
Uwe Boegege (DB Station&Service AG, DE)
Managing traveller information at the new Berlin Hauptbahnhof. 3
Viktoria Brandenburg together with
Wolfgang Brandenburg (i+d Verkehrsplanungs- und Design GmbH, DE)
Wayfinding and Virtual Guidance in Traffic Hubs. 4
Keith Bright (Keith Bright Consultants Ltd, UK)
Inclusive/Universal Design in Traffic Guiding Systems. 1
Robert Brooks (PB Sports & Entertainment Group,USA)
DallasCowboysMaps.Com: Providing Fast and Efficient Routing to and Parking at a Large Sports Stadium. 5
Christof Brugger (Danube University Krems, AT)
New ways of indicating warnings on dynamic displays on motorways. 1
Felix Caicedo (School of Transport Engineering, Pontificia Universidad Católica de Valparaíso, CL)
Benefits of Real Time Parking Information Management. 5
Alexander Cloupek (ABC Consulting, AT)
Bike commuters - An innovative mobility concept for commuting on bike in the Salzburg region. 5
Willem J. De Bruyn (Metrorail, Passenger Rail Agency of South Africa, ZA)
Real Time Passenger Information Through an Integrated Communications System (ICS) as Part of Preparations for the FIFA World Cup 2010. 5
Norbert Deweis (ASFINAG Verkehrstelematik GmbH, AT)
Traffic telematics and guiding systems. 1
Christian Eder (OeBB-Personenverkehr AG, AT)
Barrierfree travel information offered by OeBB. 2
Stefan Egger (IID, AT)
Design-Prinzipien, Design-Praxis. [with Peter Simlinger] 3
Veronika Egger (is design/Design for All/IIID, AT)
Multi-sensory design for mobility. 2
Martin Ehler (OeBB-Infrastruktur AG, AT)
Railway Station : Mobility Hub – The challenge of information. 7
Guenther Emberger (Vienna University of Technology, AT)
Barrier free education planning in Austria. 7
Judith Engel (OeBB Infrastruktur Bau AG, AT)
Conceiving a barrierfree information system for the new Vienna central railway station. 2
Heine Erke (Technical University of Braunschweig, DE)
Nomads & navigators– designing traffic guidance systems: a team effort. 1
Wolfgang Ernst (swarcoFUTURIT Verkehrssignalsysteme Ges.m.b.H., AT)
The potential of freely programmable full-colour graphical LED displays. 1
Variable Message Signs (VMS) as part of traffic guidance systems. 7
Dirk Esters (HaCon Ingenieurgesellschaft mbH, DE)
Mobile Real Time Applications for Public Transport. 5
Social Networks meets journey planners – New developments. 6
Tim Fendley (Applied Information Group, UK)
Legible London - A prototype wayfinding system for London. 3
Hans Fiby (ITS Vienna Region, AT)
ITS Vienna Region and the New Traffic Infoservice AnachB.at. 5
User interface design for traffic services – research, projects and prospects. 7
Tobias Fischer (DB Mobility Logistics AG, DE)
The Mobility Strategy of the Deutsche Bahn AG. 4
Bent Flyen (Trafikanten AS, NO)
The winter of 2010 in Oslo: Coordinating Real Time and Deviation Information in a Multimodal Transport System. 5
The use of Twitter in public transport in Norway when traffic problems arise. 6
How can we use WiFi on board? 7
A new real time industry. 7
International standards. 7
Martin Foesseltnier (High-Performance GmbH/IIID, AT)
In between. Travelling zones. 3
Transport, transport hubs & tragedies in mobility: Challenges to information design. 2
Real Time Information in Case of Irregular Services. 5
Public transports moodboards. 7
New information systems for Taxi travellers - NewsCab, [with Nicolai Sticke] 4
Diana Frank (Büro für Konzeption und Gestaltung, DE)
Chairperson 6, together with Clive Richards
Hans-Georg Frantz (FH Joanneum, Institute of EVU, AT)
RFID/Real Time Indoor Navigation Assistance for Visually Impaired/Blind People. 5
Robert N. Forsythe (Northumberland, UK)
Messages from the Western European Fringe: an island, a city, a shopping mall. 3
Evangelia Gattaniidou (CERTH/HIT, GR)
Personalised accessible transport services for mobility impaired within ASK4T IP. 2
Niall Gardiner (Tayside and Central Scotland Transport Partnership (Tactran), UK)
The sound of the crowd - how social media can complement traditional information systems. [with Craig Nelson] 6
Adam Giambone (Toronto Transit Commission, CA)
The Toronto Transit Commission's e-Communication Initiatives. 5
Alex Gontmakher (Google Switzerland, CH)
Real Time Information in Google Public Transportation System. 5
Volker Grunow (BLIC GmbH, DE)
Central Data Platform and Automatic Vehicle Management Light – The Way for Intermodal Passenger Information and Dynamic Schedule Synchronisation. 5
Gregor Grzina (Telargo d.o.o., SI)
Trip information requirements in the context of on-demand transportation services. 2
Arno Hart (The RNO Group, USA)
SKUZME – A social media service that connects commuters with commuters and better transport choices. 6
Martin Hoffer (Austrian Automobile, Motorcycle & Touring Club, AT)
The European Parking Quality Standard. 1
Olaf Hoffmann (Olaf Hoffmann Design, DE)
Public transport-problems while entering or leaving a vehicle. 1
Beat Huerzeler (Schweizerische Bundesbahnen SBB, CH)
How to fulfil the promises made in the timetables? 3
Kilian Jäger (Stuttgart Media University (HdM), DE)
Focus groups concerning passenger behaviour and travel experience as a basis for creating an infoconnectivity system. 6
Jörn Janecik (BLIC GmbH, DE)
Ensuring Connections: Lessons from Projects with DB Region and the Transport Association Berlin Brandenburg. 5
Yo Kaminagai (RATP, FR)
Navigation in complex spaces. 3
A design strategy for our transport interchanges. 2
Digital public space: Digital public touch screens vs. smartphones. 7
Martijn Kiers (FH Joanneum, Institute of EVU, AT)
RFID/Real Time Indoor Navigation Assistance for Visually Impaired and Blind People. [with Hans-Georg Frantz] 5
Michael Kieslinger (Fluidtime Data Services GmbH, AT)
Beyond the time-table / Best practice examples for new generation passenger information-services. 4
The importance of users and crowd sourcing systems for the creation and the operation of traffic information services. 6
Multi device strategies for mobility information services. 7
Hermann Knoflacher (University of Technology, AT)
Infoconnectivity - the value of certainty and uncertainty for interconnected transport networks. 3
Structures - Behavior – Satisfaction. 7
Helmut Koch (Trafico Verkehrsplanung, AT)
Community Buses in Eastern Austria demonstrate high demand for non-car mobility in smaller communities. 4
Keiichi Koyama (i Design inc., JP)
Terminal signage with an inclusive/universal design focus. 1
Personalized information systems in Japan. 3
Pictorial symbols for communication support boards. 4
How information design and social media impacted railway use, mobility and life in the wake of the recent disasters in Japan. [with Makoto Takeuchi] 6
Margarita Marie Köhl (University of Vienna, AT)
Exploring the potential of social media for designing future traveller information systems. 6
Roland Krpata (Wiener Linien, AT)
POPTIS: Pre-On-Peak-Trip-Information-System of Wiener Linien. 2
Prototyping the newest information system of Wiener Linien: Current status and challenges. 7
Marianne Leitgeb-Zach (VOR GmbH / ITS Vienna Region, AT)
ITS Vienna Region/AnachB.at/GIP– status quo and the next challenges. 6
Sven Leitinger (Salzburg Research Forschungsgesellschaft m.b.H., AT)
TeiMeTheWay - A speech-based travel-companion for intermodal routes in public transport. 6
Julia Lila (Helsinki City Transport HKL, FI)
Guidelines and examples of practical information design for the Greater Helsinki Area metro network. 4
Ben Lode (VOR GmbH, AT)
Real Time Information in Rural Areas. 5
Birgitte Lomholt Woolridge (Rejseplanen A/S, DK)
Challenges of Implementing and Communicating Real Time and Realistic Travel Time Information to the End User in Denmark. 5
Individual company brands: More important than good passenger information? 7
Hans Peter Marchlewski (Galileo Joint Undertaking)
GALILEO-European Satellite Navigation System: helping people to find their way. 1
Chajim Meinhold (Probst & Consorten, DE)
Commercial implications of user needs in Public Transport: 2
Hans-Joachim Mentz (Meritz Datenverarbeitung GmbH, DE)
DEFAS FGI BAYERN – A Real Time Platform for Public Transport in Bavaria. 5
Frank Michelberger (Austrian Federal Ministry for Transport, Innovation and Technology, AT)
Research in progress–Research funding and promotion activities of the Austrian Federal Ministry for Transport, Innovation and Technology. 3
Paul Mijksenaar (Mijksenaar b.v., NL/USA; Technical University of Delft, NL)
Designing airport guiding systems: Common principles and cultural differences. 1
Myles Miller (LeadUP & LearningBreaks.com, USA)
Impactful communication that makes meaningful changes. 6
Oana Stefana Mitrea (IFZ- Inter-University Research Center for Technology, Work and Culture, AT)
The involvement of mobile social software in cooperative traffic systems and dynamic ridesharing. A comparative view. 6
Per Mollerup (Swinburne University of Technology, AU)
Chairman T&T 1, 2, 3, 4, 5
The way in to the way out. 1
Alena Morrison (IID, AT)
From PLUSBUS to Traintaxi: innovative approaches to an integrated mobility system. 4
Andrew Nash (Vienna Transport Strategies, AT)
GreenCityStreets.com – tools for improving citizen involvement in public transportation. 6
Alex Nelson (Chester-le-Track Ltd., Chester-le-Street Co., UK)
Ideas above his station. How a small independent railway station helps travellers all over Britain. 3
Craig Nelson (Steer Davies Gleave, UK)
Dynamic Journey Planning Through the Use of Real Time ITS Data. 5
The sound of the crowd - how social media can complement traditional information systems. [with Niall Gardiner] 6
Helmut Ness (Fuentwerken Design AG, DE)
Be prepared for new environments. 3
On Demand Web Services for Users of Munich's Public Transport System (Here we are and where we are going). [with Chris Bleuel] 5
Thomas Novak for Gino Franco (SWARCO MIZAR, S.p.a., IT)
ITS for Smart Cities. 7
Gerhard Nussbaum (Competence Network IT to Support the Integration of People with Disabilities, AT)
Barrierfree presentation of information in electronic media. [with Franz Puhretmair] 2
Susanna Oertli (PostAuto Schweiz AG, CH)
Further development of the dial-a-ride bus service from PostBus Switzerland Ltd. 4
Nicolai Okkels (Triagonal Information Design ApS, DK)
Integrated airport signage planning for better passenger experience and higher revenues. 6
Christian Pettauer (OeBB-Personenverkehr AG, AT)
railjet Link. 4
Real Time Information: Really the Solution for Everything? 5
Alexander Pilz (Verkehrsverbund Berlin Brandenburg GmbH (VBB), DE)
Real Time Data in Centralized Passenger Information Systems. 5
Thomas Porathe (Mälardalen University, SE)
Conspicuity Index: Method of Measuring the Visibility of Traffic Signs. 5
Franz Puhretmair (Competence Network IT to Support the Integration of People with Disabilities, AT)
Barrierfree presentation of information in electronic media. [with Gerhard Nussbaum] 2
Dietmar Radler (NEUHAUSER Verkehrstechnik GmbH, AT)
Orientierungshilfen herstellen, befestigen, fundieren. 3
Marius Ray (Oesterreichisches Forschungs- und Pruefzentrum Arsenal Ges.m.b.H. (arsenal research), AT)
PROVET–An approach for providing personalised information in multimodal transport systems. 3
Clive Richards (IID President, Principal Clive Richards & Associates, UK)
Chairperson 6 [with Diana Frank], 7
Alfred Ritter (Arch. DI Alfred Ritter, AT)
The Austrian federal railways routing system – a project experience from the Vienna central station. 6
Barry Roseman (Savannah College of Art and Design, USA)
Interconnected Information for Unconnected Transport Networks: A Model for Education in Information Design. 3
Bernhard Rueger (University of Applied Sciences FH St. Poelten, AT)
Master's degree programme: European Railway Systems. 7
Toshimitsu Sadamura (Japan Sign Design Association; Asia Townscape Design Society; GA-TAP, inc., JP)
Colour-coding in transportation systems. 7
Michael Sandmaier (Universitaet Stuttgart IAT, Fraunhofer Institut Arbeitswirtschaft und Organisation, DE)
User centred redesign of Germanys ticket machines. 2
Michael Sandrock (TelematicsPRO e.V., DE)
Carmodal - the taxibus system with flexibility for users as well for suppliers. 4
Joana Santos (University of Aveiro, PT)
Mapping intermodal transportation for a sustainable city: Integrating public and private means of transportation, cyclists and pedestrians. 4
Horst Schauerte (Vehicle Management, Berliner Verkehrsbetriebe (BVG), DE)
Vehicle design as a component of identity, customer loyalty and guidance
Katja Schechter (Arsenal Research, AT)
INFLOW Information flow without resistance. 2
Josef Schneider (European Passengers' Federation, BE)
Door to Door journeys: Current realities and future demands from passenger's view. 3
Wolfgang Schroll (VOR GmbH, AT)
Barrierfree Passenger Information for Real-time Applications. 2
Michael Schuch (swarcoFUTURIT Verkehrssignalsysteme Ges.m.b.H., AT)
Traffic & transport ICT. 7
Karin Siebenhandl (Danube University Krems, AT)
Evaluating the comprehensibility of visualized information for the Trans European Road Network as part of the EU project IN-SAFETY. 1
Peter Simlinger (IID/Simlinger Informations-Design GmbH, AT)
What next? Steps towards an Expert Network Traffic Guiding Systems. 1
Standards and Regulations: Updating the IIID Source Material. 4
MSc Traffic & Transport Information Design. 6, 7
Design-Prinzipien, Design-Praxis. [with Stefan Egger] 3
Luca Steinnann (Schweizerische Bundesbahnen (SBB), CH)
From version 1.0 to version 2.0 – These as challenges for the rail terminal management from a Swiss perspective. 6
Anselmo Stelzer (TU Darmstadt, Institute of Traffic, DE)
Standardisations for information exchange in public transport and its benefits using the example of IP-KOM-OV. 6
Nicolai Sticke (Star Cooperation GmbH, DE)
New information systems for Taxi travellers - NewsCab. [Matin Foesseltnier] 4
Andrea Stuetz (VOR GmbH, AT)
The VOR "Rufbus". 4
Makoto Takeuchi (Takeuchi Design Inc., JP)
How information design and social media impacted railway use, mobility and life in the wake of the recent disasters in Japan. [with Keiichi Koyama] 6
Christophe Tallec (Unifoshare, FR)
From participative information to real time user co-creation in transportation systems. 6
Mario Fernando Uribe Orozco (Autónoma de Occidente University, CO)
Information designs as a mediator in the transitions of oral information to digital information on public transport. 7
Thomas Valentin (Flughafen Wien AG, AT)
Vom Entwurf zur Ausschreibung zur Realisierung. 3
Vincent van der Heijden (City of The Hague, NL)
Designing, implementing and evaluating an integrated traffic guiding system. 1
Patrick Vautier (RATP, FR)
"Ma RATP dans ma poche" (RATP in my pocket): A new attractive model for mobile information. 4
Leonard Verhoef (Human Efficiency, NL)
Ticket vending machine interfaces, from buttons for fingers towards graphics for brains. 2
Passenger reactions and passenger actions: Improving public transport. 6
Oliver Veyrone (RATP, FR)
The interface of the new universal ticket vending machines of RATP. 2
Hans-Joerg von Berlepsch (traffIQ, Frankfurt, DE)
Information and Communication Connectivity in Public Transport - The Frankfurt Experience. 3
Clemens von Braunnuehl (NEC Display Solutions Europe GmbH)
E-ink and e-paper hitting the market. 1
Walter Wasner (Austrian Federal Ministry for Transport, Innovation and Technology, AT)
Theme related research supported by the Austrian Federal Ministry of Transport, Innovation and Technology. 1
Stimulating innovation and technology for intelligent information in the context of evolving mobility needs. 2
Stefan Wehinger (OeBB-Personenverkehr AG, AT)
OeBB Customer Information Strategy. 2
Gerhard Weissinger (OeBB-Personenverkehr AG, AT)
Optimizing sales and sales related information. 3
Susanne Wolf-Eberl (Research & Data Competence OG, AT)
Different approaches to human resources related to mobility. 7
Oliver Wrede (University of Applied Sciences Aachen, DE)
Continuity: Seamless traveling is recreation. 7