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Record Nr.	UNINA9910830751903321
Titolo	Human-computer interactions applications in transport / / edited by Christophe Kolski
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Descrizione fisica	1 online resource (375 pages)
Collana	ISTE
Disciplina	629.04
Soggetti	Transportation - Automation Human-machine systems Transportation - Equipment and supplies - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; Introduction; Acknowledgements; Chapter 1. Principles, Issues and Viewpoints of Traveler Information in a Multimodal Context; 1.1. Introduction; 1.2. A complexity that must be mastered; 1.3. Multimodal information; 1.4. The viatic concept: accompany the traveler; 1.5. Other traveler information-based representative research projects in a multimodal context; 1.5.1. Traveler information and valorization of route time; 1.5.2. Traveler information and personalized accompaniment; 1.5.3. Traveler information and ergonomics 1.5.4. Traveler information and intelligent agents1.5.5. Traveler information and adjustment to cognitive abilitiesand the situation of mobility; 1.5.6. Traveler information applied to the bicycle mode; 1.6. Viewpoints; 1.7. Bibliography; Chapter 2. User Needs Analysis Methodology for the Designof Traveler Information Systems; 2.1. Introduction; 2.2. Traveler information: a pluridisciplinary matter; 2.3. The example of the P@ss-ITS project; 2.4. RAMSES methodology for the collection, analysis and modeling of user needs; 2.4.1. Information flows in RAMSES

Sommario/riassunto

The human-computer interactions are more and more present in our everyday life, and lead to many conceptual and methodological problems for the designers and evaluators of interactive systems. This book is about Human-Computer Interaction in Transport domain, in which the traveler becomes a user of information systems, particularly before and during the travel(s). This book will focus on traveler information and personalized systems, using a human-centered design approach.

2. Record Nr.	UNINA9910484973803321
Titolo	DNA Computing : 10th International Workshop on DNA Computing, DNA10, Milan, Italy, June 7-10, 2004, Revised Selected Papers / / edited by Claudio Ferretti, Giancarlo Mauri, Claudio Zandron
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 472 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3384
Altri autori (Persone)	FerrettiClaudio <1965-> MauriGian Carlo ZandronClaudio
Disciplina	621.391
Soggetti	Computer science Algorithms Artificial intelligence Bioinformatics Theory of Computation Artificial Intelligence Computational and Systems Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Computing by Observing Bio-systems: The Case of Sticker Systems -- DNA-Based Computation Times -- Computing Beyond the Turing Limit Using the H Systems -- Biomolecular Implementation of Computing Devices with Unbounded Memory -- Characterization of Non-crosshybridizing DNA Oligonucleotides Manufactured In Vitro -- Error Free Self-assembly Using Error Prone Tiles -- On the Computational Complexity of P Automata -- A Weighted Insertion-Deletion Stacked Pair Thermodynamic Metric for DNA Codes -- DNA Extraction by XPCR -- A Method of Error Suppression for Self-assembling DNA Tiles -- Using Automated Reasoning Systems on Molecular Computing -- Parallelism in Gene Assembly -- Splicing Systems for Universal Turing Machines -- Application of Mismatch Detection Methods in DNA Computing -- Bond-Free Languages: Formalizations, Maximality and

Construction Methods -- Preventing Undesirable Bonds Between DNA Codewords -- Testing Structure Freeness of Regular Sets of Biomolecular Sequences -- Minimum Basin Algorithm: An Effective Analysis Technique for DNA Energy Landscapes -- Efficient Initial Pool Generation for Weighted Graph Problems Using Parallel Overlap Assembly -- Partial Words for DNA Coding -- Accepting Hybrid Networks of Evolutionary Processors -- Building the Components for a Biomolecular Computer -- Methods for Manipulating DNA Molecules in a Micrometer Scale Using Optical Techniques -- From Cells to Computers: Membrane Computing – A Quick Overview -- The Capacity of DNA for Information Encoding -- Compact Error-Resilient Computational DNA Tiling Assemblies -- Toward “Wet” Implementation of Genetic Algorithm for Protein Engineering -- Programmable Control of Nucleation for Algorithmic Self-assembly -- DNA Hybridization Catalysts and Catalyst Circuits -- Complexity of Self-assembled Shapes.-Aqueous Computing with DNA Hairpin-Based RAM -- A Programmable Molecular Computer in Microreactors -- Combinatorial Aspects of Minimal DNA Expressions -- A Design for Cellular Evolutionary Computation by Using Bacteria -- An Inexpensive LED-Based Fluorometer Used to Study a Hairpin-Based DNA Nanomachine -- Designs of Autonomous Unidirectional Walking DNA Devices -- Design of an Autonomous DNA Nanomechanical Device Capable of Universal Computation and Universal Translational Motion -- A Clocked DNA-Based Replicator -- A Bayesian Algorithm for In Vitro Molecular Evolution of Pattern Classifiers.