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Disciplina	005/.01/9
Soggetti	User interfaces (Computer systems) Software engineering Computers Artificial intelligence Natural language processing (Computer science) User Interfaces and Human Computer Interaction Software Engineering Models and Principles Artificial Intelligence Natural Language Processing (NLP)
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Nota di contenuto	Ergosemiotics of user interface research and design: Foundations, objectives, potential -- Fitts' law as a design artefact: A paradigm case of theory in software design -- Empirical study on the use of a knowledge-based system for selecting standard engineering components -- Positive effects of sound feedback during the operation of a plant simulator -- Retail user assistant: Evaluation of a user-adapted performance support system -- Growing an icon set: User acceptance of abstract and concrete icon styles -- Exploring graphical feedback in a demonstrational visual shell -- ARGS: Autogenerating documented command line interfaces -- IDEAL: An environment to support usability engineering -- Specification and generation of user

interfaces with the BOSS-System -- An architecture for object oriented user interfaces -- Extending programming by demonstration with hierarchical event histories -- Hierarchical design of user interfaces -- Conflict resolution in computer-supported cooperative design -- Cognitive ergonomics of multi-agent systems: Observations, principles and research issues -- Supporting collaborative learning through the use of electronic conversational props -- A knowledge-based authoring system for hypermedia-based learning environments -- Explanatory visualization in an educational programming environment: Connecting examples with general knowledge -- Cultivating and harvesting semantic coherence in SMIsC hypertext networks -- Hypertext-based kiosk systems: Seven challenges and an empirical study.

Sommario/riassunto

This volume presents the proceedings of the Fourth East-West Conference on Human-Computer Interaction, EWHCI '94, held in St. Petersburg, Russia in August 1994. One of the main objectives of EWHCI is to foster professional and personal contacts between researchers in the former Soviet Union and researchers from the rest of the world. The volume contains revised versions of the 20 best papers selected from the 37 papers accepted for presentation at the conference and covers three basic themes: theoretical and empirical underpinnings of HCI, implemented systems, and the relationship of HCI to other fields. The papers are organized in sections on foundations of HCI, empirical studies and applications, environments, architectures, learning and teaching, and hypertext.
