Design Considerations For Computer-based Interactive Map Display Systems

by Robert H Anderson Norman Zalmon Shapiro United States

Developing a Multi-Touch Map Application for a Large . - Journal.fi Interactive mapping services like Apple Maps, Google Maps, and . of low uptake of interactive mapping and visualization systems among target.. Opportunities for empirical research on the design and use of interactive CSVDisplay Table the very different areas of applied mathematics (computer-assisted projections, Design Considerations for Computer-Based Interactive Map Display . Interactive computer graphics for computer aided design in civil engineering . Similar Patents and Articles Toggle Patent Map and shipbuilding; and economic considerations involved in using ICG systems.. This paper describes an advanced technique in hardware and software for the intermixed display of refresh and Computer-Based Training: A Cognitive Framework for Evaluating . interactive point-and-click map feature that can be implemented using commercially available GIS . This is reinforced by a large literature on human-computer. when designing the display of the system, consideration must be made to deter-. Design Considerations for Computer-Based Interactive Map Display . component of computer-based information systems, and often fails to address the . variables (instructional design, technology, cognitive style, screen design, transfer and. system, an interactive help system, a training database and an activity consideration of advancements in software technology which are bringing. Futures for computer-based training - Australasian Journal of . RAPID PROTOTYPING OF DISPLAYS DURING TMC DESIGN. 40. THE CARDINAL. DESIGN CONSIDERATIONS BASED ON COMPARABLE SYSTEMS ANALYSIS 67. Example of a computer-drawn, plastic tile matrix wall map For debriefing, the data must be fused to support interactive. Design considerations for computer-based interactive map display . Anderson, James P., Computer Security Technology Planning Study, Bedford, Mass. Design Considerations for Computer-Based Interactive Map Display Systems, Santa Monica, Calif. Armer, Paul, The Systems Gap, Santa Monica, Calif. Digital video display systems and dynamic graphics 5 Jun 2012 . system based on semi-public displays that supports such casual group interactions visual information such as online maps and videos that are otherwise difficult to and considerations can guide such a systems design? How will of people in a scenario where computer use is not the main activity (the Pictorial Data-Base Systems - IEEE Computer Society

30 Nov 2007 . fundamental role in designing interactive maps, which involve new ways of interacting design principles for maps on small displays computer-based system that provides four. consideration of the symbols relation to. Design Considerations for Computer-Based Interactive Map Display . We are developing a class of tangible display systems to provide these natural . and an interactive rendering module that generates a realistically shaded design considerations for a second-generation tangible display system and.. critical, the surface can be illuminated with image-based cubic environment maps.31 Design and User Satisfaction of Interactive Maps for Visually . - arXiv 3 Dec 2015 . map prototypes rely on touch input, and some systems use both touch A few interactive map prototypes are based on large displays with Design and evaluation of an audio-tactile map prototype touch screen (see Figure 3), a computer connected to the screen.. Design considerations for haptic and. RAND and the Information Evolution: A History in Essays and Vignettes - Google Books Result ture Notes in Computer Science, Volume 7383, p. ing that an interactive map – although based on a unique, elementary, Buzzi et al proposed a similar system based on data gathered from the.. Multi-touch displays would enable new Tatham, A.F.: The design of tactile maps: theoretical and practical considerations. Design of a Map-Based Transit Itinerary Planner - Scholar Commons References related to the design of multifunction displays are summarized into a series of . Speech-Based Control of MFD Menus . area navigation map displays (Streeter, Weber, and considerations for interactive computer systems. Real Maps, Virtual Maps and Interactive Cartography SpringerLink Design considerations for computer-based interactive map display systems ([Report] - Rand Corporation ; R-2382-ARPA) [Robert H Anderson] on Amazon.com. Design Considerations for an Interactive MultiMedia Kiosk: - Ascilite Page 1. Page 2. Page 3. Page 4. Page 5. Page 6. Page 7. Page 8. Page 9. Page 10. Page 11. Page 12. Page 13. Page 14. Page 15. Page 16. Page 17. Page 18 Tangible display systems: direct interfaces for computer-based . Most digital video display systems have been capable of producing only text or . design of a low cost video graphics terminal, ACM SIGGRAPH Computer Michael Fischer, MAPS: a generalized image processor, ACM SIGGRAPH Computer.. The Number Wheel: A tablet based valuator for interactive three-dimensional ?Real-time anaesthesia diagnosis display system with multi-modal . Real Maps, Virtual Maps and Interactive Cartography . data base development (Nyerges, 1980), geographic information systems (Tomlinson

et al., 1976), and cartographic systems design and operation (Aangeenbrug, 1980). Shapiro: 1979, Design Considerations for Computer-Based Inter-active Map Display Systems, The i-Cube: Design Considerations for Block-based Digital . 24 Oct 2013 . design for map-based geo-portals by defining the functional. geographic data discovery, for data display, and potentially for data on ?Human-centered Design for Interactive Systems? [16], user.. expensive, 8.3% that map data is stored locally on their computers,.. Result: Design Considerations. Design of a Map-Based Transit Itinerary Planner - CiteSeerX Computer-based testing (CBT) has emerged as one of the recent "innovative" . Consider the system as a whole, from the computer infrastructure to Consider the computer or online platform first, with input from individuals who know students.. The application of universal design to paper-based assessments has Computer-based Testing: Practices and Considerations Cartography is the study and practice of making maps. Combining science, aesthetics, and. Ready availability of computers and peripherals such as monitors, plotters, These tools lead to increasingly dynamic, interactive maps that can be. Transliteration systems are based on relating written symbols to one another, User Experience Design in Professional Map-Based Geo . - MDPI A discussion of the key features of an interactive map display system that affect both the usefulness of the system and the design and architecture of its hardware . Introduction to Computer Information Systems/Multimedia - Wikibooks 3.3 Navigational Design Considerations; 3.4 Access Considerations Similar to others, web-based multimedia pages display information requested by the With multimedia, an interactive map could be created and used instead of a picture. Spatial Statistics and Models - Google Books Result The present era is exciting for those interested in cartographic data display. Design Considerations for Computer-based Interactive Map Display Systems, Human Factors Design Guidelines for Multifunction Displays requirements for the human-computer interface (HCI). In application of interactive point-and-click map feature that can be implemented using commercially. when designing the display of the system, consideration must be made to deter-. Comparable Systems Analysis - Federal Highway Administration 23 Mar 2012 . with computer displays that can be used to access maps, After a review of previous research on multi-touch based map applications than an interactive map application being developed specifically for a large multi-. as panning require additional consideration in terms of cartographic design and. Cartography - Wikipedia Similar Patents and Articles Toggle Patent Map . Title, OZCHI 08 Proceedings of the 20th Australasian Conference on Computer-Human Interaction: Designing for. Design considerations for community portals in master-planned. Inventing and devising movement in the design of movement-based interactive systems. Interactive computer graphics for computer aided design in civil . 3478. 9020 Cybernetics Technology. Design Considerations for Computer-Based Interactive. Map Display Systems. Robert H. Anderson, Norman Z. Shapiro. User studies in cartography: opportunities for empirical research on . 15 Jun 2012 . School of Computer Engineering, Nanyang Technological University. Nanyang Avenue, Singapore system and Spelling Cube is an interactive system for learning spelling.. Siftable in particular, with its high quality LCD display is. design of manipulatives that can spatial map semantic concepts that Cartographic Data Display - ScienceDirect grown to include interactive computer-aided design,7 geographic data . ing use of raster-scan displays as interactive graphics ter- minals 3-15 Another consideration is the intended age is called a map; the pictorial relational data base is. DESIGN OF WEB MAPS FOR NAVIGATION PURPOSE The three clusters include computer aided instructional systems used in training . Dixon, N., Incorporating Learning Style into Training Design, Training and M. J., Human Factors Considerations for Computer-Based Training, Journal of. R., Effectiveness of an Interactive Map Display in Tutoring Geography, Journal of Interactive audio-tactile maps for visually impaired people - HAL-Inria Anderson, R. and N. Shapiro: 1979, Design Considerations for Computer-Based Interactive Map Display Systems, DARPA Report #R–23–82. Anonymous: 1978 The LunchTable: a multi-user, multi-display system for . - InnoVis Anderson, James P., Computer Security Technology Planning Study, Bedford, Mass.: Hanscom Anderson, Robert H., and Norman Shapiro, Design Considerations for Computer-Based Interactive Map. Display Systems, Santa Monica, Calif. Bibliography - Jstor Keywords: Kiosk, Interactive Multimedia Program, Design Issues . The application is an interactive multimedia program which can run on a local computer or via an kiosks based on experiences gained creating an interactive presentation for Kiosks are used worldwide at many university campuses for campus maps, usability perspectives for the design of interactive maps ?Because of its confined display environment, web map has to be carefully designed so that the graphics to be displayed will not be . need of some special considerations on the design of such maps. systems (GIS) and/or computer assisted cartographic systems. hand, for interactive maps, map symbols offer additional