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Books Conferences News About Us Home Journals Jobs Home > Journal > Business & Economics | Computer Science & Communications > IIM • Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues IIM> Vol.2 No.5, May 2010 • Special Issues Guideline OPEN ACCESS **IIM Subscription** Design and Implementation of the Image Interactive System Based on Human-Computer Interaction Most popular papers in IIM PDF (Size: 48KB) PP. 334-337 DOI: 10.4236/iim.2010.25040 About IIM News Author(s) Shanwei Song, Yuting Wu, Fang Zhang Frequently Asked Questions **ABSTRACT** Based on the traditional Human-Computer Interaction method which is mainly touch input system, the way Recommend to Peers of capturing the movement of people by using cameras is proposed. This is a convenient technique which can provide users more experience. In the article, a new way of detecting moving things is given on the Recommend to Library basis of development of the image processing technique. The system architecture decides that the communication should be used between two different applications. After considered, named pipe is selected Contact Us from many ways of communication to make sure that video is keeping in step with the movement from the analysis of the people moving. According to a large amount of data and principal knowledge, thinking of the need of actual project, a detailed system design and realization is finished. The system consists of three Downloads: 144,621 important modules: detecting of the people's movement, information transition between applications and video showing in step with people's movement. The article introduces the idea of each module and Visits: 361,705 technique. **KEYWORDS** Sponsors >> Human-Computer, Interaction, Image Processing, Moving Object Detection, Communication, Response Cite this paper S. Song, Y. Wu and F. Zhang, "Design and Implementation of the Image Interactive System Based on Human-Computer Interaction," Intelligent Information Management, Vol. 2 No. 5, 2010, pp. 334-337. doi: 10.4236/iim.2010.25040. References R. C. Gonzalez and R. E. Woods, "Digital Image Processing," 2nd Edition, Prentice Hall, NJ, 2002. [1] G. Agam, " Introduction to Programming with OpenCV," Vol. 2007. [2] http://www.cs.iit.edu/~agam/cs512/lectnotes/ opencv-intro/index.html. L. Schomaker, J. Nijtmans, A. Camurri, et al., " A Taxonomy of Multimodal Interaction in the Human [3] 1995. Information Processing System," Vol. 6, http://hwr. nici.kun.nl/~miami/taxonomy/taxonomy.html. C. Gu and M. C. Lee, "Semiautomatic Segmentation and Tracking of Semantic Video Objects," IEEE [4] Transactions on Circuits and Systems for Video Technology, Vol. 8, No. 5, 1998, pp. 572-584. W. B. Liu and B. Z. Yuan, "From Actual Reality to Virtual Reality," Chinese Journal of Electronics, Vol. [5] 2, 2001, pp. 100-105.

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