

## ビジュアルコンピューティング講演会 2012-01

日時: 2012年5月8日(火) 15:00~16:30

場所: 矢上キャンパス 14棟 216室

演題: Designing User Interfaces for Peripheral Interaction with Multimedia

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要旨: Due to the advanced multimedia technologies, now producing digital multimedia contents is much easier. The ubiquitous computing devices and well-built cloud-computing infrastructure also make the behaviors of consuming multimedia contents readily available anywhere. Therefore, how to efficiently consume the abundant multimedia contents becomes a critical problem. In this talk, I will talk about our recent HCI researches about using users' peripheral attention to interact with those multimedia contents while performing other tasks. The user interface designs include GUI (Graphical User Interface), TUI (Tangible User Interface), and KUI (Kinetic User Interface). These research projects show that how the well-designed peripheral interactions can take benefit of users' mental perception, fully utilize the context of the environment, and finally adapt the readily available technologies to support the goals of the designs.

略歴: Bing-Yu Chen received the BS and MS degrees in computer science and information engineering from the National Taiwan University, Taipei, in 1995 and 1997, respectively, and received the PhD degree in information science from The University of Tokyo, Japan in 2003. Currently, He is working as a professor in the Department of Information Management, Department of Computer Science and Information Engineering, and Graduate Institute of Networking and Multimedia of the National Taiwan University, and also in the Department of Complexity Science and Engineering of The University of Tokyo. His research interests include mainly for computer graphics, video and image processing, and human-computer interaction. He is a senior member of the ACM, ACM SIGGRAPH, and IEEE, a member of Eurographics, IEICE, IICM, and IPPR, and the Secretary and Treasurer of the Taipei ACM SIGGRAPH since 2010.

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