

External Awards

Heisei 22 IPSJ Best Paper Award

Winners: Atsuhiko Maeda^{*1}, Hirohito Inagaki^{*2}, Minoru Kobayashi^{*1}, and Masanobu Abe^{*3}

*1 NTT Cyber Solutions Laboratories

*2 NTT Cyber Space Laboratories

*3 Okayama University

Date: June 2, 2011

Organization: Information Processing Society of Japan

For “A Link Selection Technique Using “Arrow Tag” for Web Browsers on TV”.

Television sets and video game consoles equipped with a web browser have appeared, and we are now able to browse web pages on television screens. However, existing navigation techniques are too difficult in this situation. In this paper, we propose Arrow Tag, a new link selection technique for web browsers on TV. In this technique, sequences of arrow signs called Arrow Tags are assigned to the links of the web pages, so a user can select the links by pushing the four direction keys a few times, while keeping her/his gaze fixed on the TV screen. User studies show that Arrow Tag significantly outperforms the conventional techniques of Focus Move and Number Tag. Moreover, most participants preferred Arrow Tag to either Focus Move or Number Tag.

Published as: A. Maeda, H. Inagaki, M. Kobayashi, and M. Abe, “A Link Selection Technique Using “Arrow Tag” for Web Browsers on TV,” Transactions of the Information Processing Society of Japan, Vol. 51, No. 2, pp. 346–355, 2010 (in Japanese).

Best Paper Award

Winners: Lin Ma, Nobutomo Hanzawa, Kyoza Tsujikawa, and Shigeru Tomita, Advanced Media Research Group, Access Media Project, NTT Access Network Service Systems Laboratories

Date: July 6, 2011

Organization: The 16th Opto-Electronics and Communications Conference (OECC 2011)

For “Ultrawide-band WDM Transmission in a Multi-mode Fiber Using PCF Devices”.

We demonstrate ultrawide-band (850 to 1550 nm) WDM transmission in multi-mode fiber by using single-mode photonic crystal fiber for center launching and as mode-filtering devices.

Published as: L. Ma, N. Hanzawa, K. Tsujikawa, and S. Tomita, “Ultrawide-band WDM Transmission in a Multi-mode Fiber Using PCF Devices,” Proc. of OECC 2011, 6C2-3, Kaohsiung, Taiwan, July, 2011.