## Web contents recognition and seamless movement in multiscreen environment

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Abstract—Nowadays, more and more users are surfing web pages using smart devices, such as smart phone, tablet PC, and smart TV. Those devices have some limitations, so that users want to utilize multiple devices to get improved user experience. Multi-screen environment involves web contents sharing, moving, controlling, and managing, and implementing multiscreen web page incurs several problems, which are distinct from conventional web page implementation. Implementing multiscreen environment is not a problem of a single browser, but of multiple browsers, so it requires some kind of browser to browser communication. Actually there are many ways to achieve the multi-screen communication, but we have tried to use only web standard based techniques. Besides implementation, we pick out and describe technical issues and tactics, and also multi-screen scenarios are investigated to see how multi-screen environment can be utilized usefully.

Keyword-content recognition, session control, seamless movement, multiscreen



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