

Device Collaboration System for Home Network Environment

Kyung Hee Lee*, Chaeduk Lim*, Kwan-jong Yoo**

*Electronics and Telecommunications Research Institute, Korea

**Chungnam National University, Korea

kyunghee@etri.re.kr

Abstract— This paper presents referential architecture of device collaboration system for home network environment. This architecture supports control and event message delivery, synchronization, and data conversion among devices that are connected on home network. With this architecture, users can implement multimedia presentation, video conferencing system, and multimodal application services with ease.

Keyword— Embedded Software, Device Collaboration, Home Network, Middleware, Multimedia Presentation



Kyung Hee Lee received his B.S. and M.S. degree from Kyungpook National University (1992). He is now a principal member of research staff of Electronics and Telecommunications Research Institute (ETRI), and is working on developing embedded OS and middleware. His research interest includes embedded software, multimedia middleware, voice over internet protocol, and real time systems.