Abstract: SSeRoM: A Smart Service Robot Middleware on Ubiquitous Network Environments

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Abstract

As the importance of robot software has increased, much research about robot middleware has been performed extensively during the past several years. Most of these systems are based on client-server and service oriented-based system architecture. Robot middleware usually provides executable environments that robot software developers are easily able to develop flexible robot services through various applications of robot services. Therefore, methods for various robot service applications are essential for robot middleware. This paper is about our practical experiences through the application of robot services in middleware level. We also show an XML-based language approach and a client-server based robot middleware architecture for the application of these robot services.

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