Accepted Manuscript

Simulation framework of ubiquitous network environments for designing diverse network robots

Seoungjae Cho, Simon Fong, Yong Woon Park, Kyungeun Cho

PII: S0167-739X(16)30060-7
DOI: http://dx.doi.org/10.1016/j.future.2016.03.016
Reference: FUTURE 2990

To appear in: *Future Generation Computer Systems*

Received date: 4 October 2015
Revised date: 29 February 2016
Accepted date: 23 March 2016

Please cite this article as: S. Cho, S. Fong, Y.W. Park, K. Cho, Simulation framework of ubiquitous network environments for designing diverse network robots, *Future Generation Computer Systems* (2016), http://dx.doi.org/10.1016/j.future.2016.03.016

Highlights

- We proposed a framework to simulate a network robot in a virtual smart home.
- A network robot agent identifies daily routines of a resident and executes service.
- The framework shows a network robot could help and reduce tasks of a human agent.
- The simulator verified the framework reduces costs of developing network robots.

* Corresponding author.
E-mail addresses: {cke, sjcho}@dongguk.edu (K. Cho, S. Cho), ccfong@umac.mo (S. Fong).