CONDUCTHOME: Gesture Interface Control of Home Automation Boxes

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Abstract : This paper presents the interface CONDUCTHOME which controls home automation systems with a Leap Motion using 'invariant gesture protocols'. The function of this interface is to simplify the interaction of the user with its environment. A hardware part allows the Leap Motion to be carried around the house. A software part interacts with the home automation box and displays the useful information for the user. An objective of this work is the development a natural/invariant/simple gesture control interface to help elder people/people with disabilities.

Keywords : automation, ergonomics, gesture recognition, interoperability
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