



News

HJP introduces the KogniHome project at SmartHome Germany conference

Paderborn, 16 September 2015

Markus Hartmann, CEO of HJP, held a presentation at the SmartHome Germany conference organized by the [SmartHome Initiative Germany](#) in Stuttgart.

Under the topic: "The acceptance of AAL¹⁾ needs secure solutions", he appealed to not neglect the issue of data protection and IT security during the development of smart home solutions. Especially in the field of ambient assisted living (AAL) – focusing on the living environment for the elderly – the users should rest assured that the systems are handling their data responsibly and safely. In addition to compliance with data protection regulations ethical standards must be recognized in order to define the relevant needs of elderly people towards intelligent assistance systems. Markus Hartmann focused in his presentation on the approaches and current results of the research project *KogniHome*, in which HJP Consulting has been involved. In this research project – funded by the Federal Ministry of Education and Research – the Universities of Bielefeld and Paderborn, industry partners as well as partners from social and health services are addressing the question on how to develop "intelligent" and "trustworthy" technical systems that support people in everyday life. The subproject ELSI is focusing on questions regarding the safety of the technology and thus the protection of privacy based on technical feasibility and ethical accountability.

HJP Consulting contributes experience of many years in [standardization, planning and testing of identity cards](#). In his lecture, Markus Hartmann therefore raised the question whether secure methods that have been developed for the electronic identity card, could also be adapted in the Smart Home area. A variety of sensors and actors are intervening with our lives in a Smart Home. These "things" should be given a unique identity. The messages they exchange with each other and ultimately with the user should be encrypted. This is the only way to prevent a neighbor or even a criminal from "listening" and potentially misusing the data.

The experts at HJP Consulting are currently in the process of transferring their experience from the development of secure protocols to the Internet of Things: for example into Smart Homes, or into new systems for Industry 4.0.

More information about the Smart Home Germany conference can be found here: www.smarthome-deutschland.de.

More information about the KogniHome Project can be found on the [KogniHome website](#) or in this [press release by HJP](#).

1) *Ambient Assisted Living*

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