



Mutual Assistance Community for Ambient Assisted Living

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Our Experience

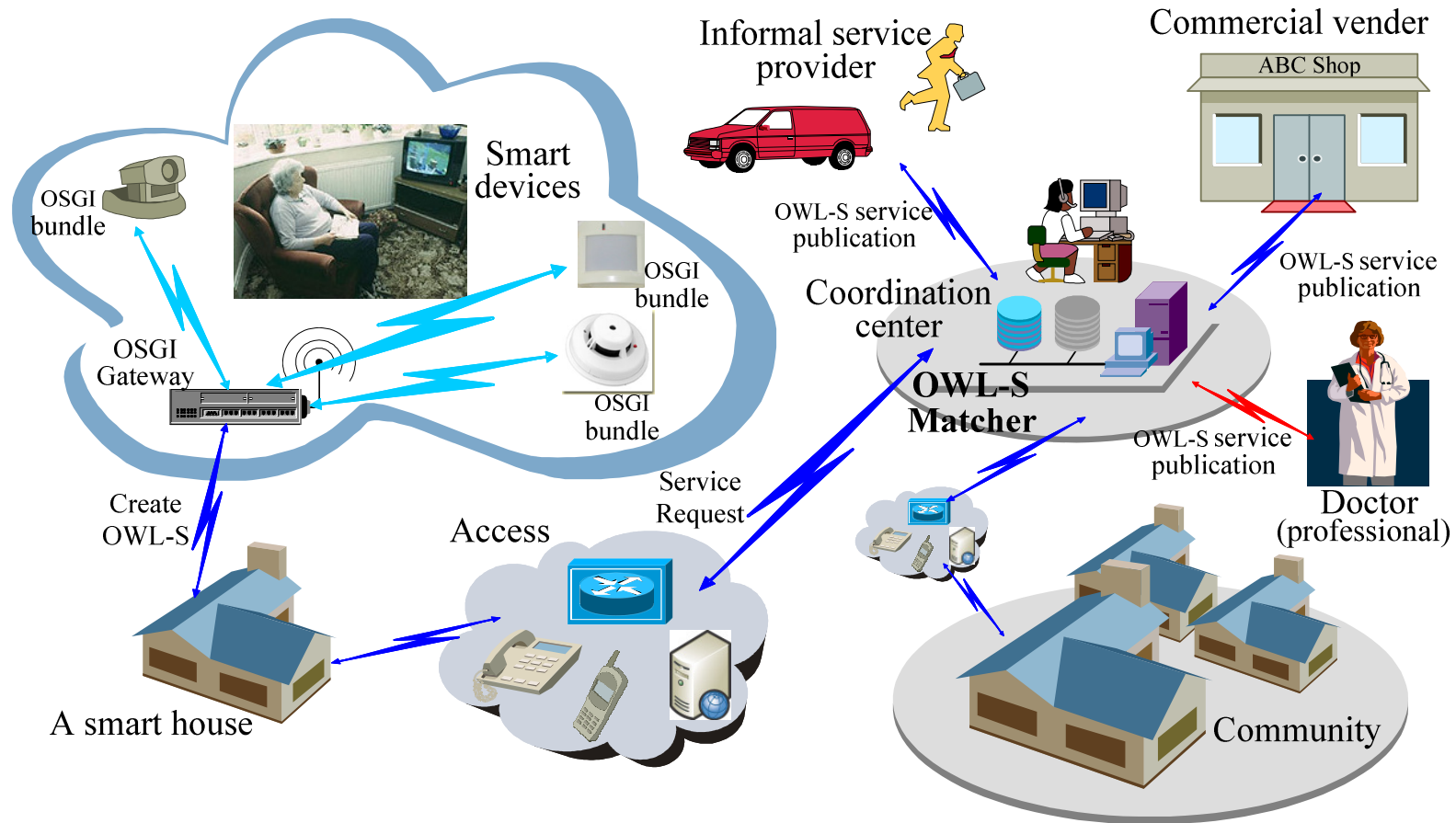
University of Antwerp/PATS (www.pats.ua.ac.be) have been working on the topic of AAL since early 2006.

Among our achievements: design of a mutual assistance community: a service aiming to reduce social isolation in the elderly people, help them live in an active way, and best utilize the social resources.

Our work won us First Prizes in both the 2007 IBM Student Service Contest (Belux) and 2008 FITCE.be ICT Personality Competition.

We have published 7 papers on this research topic: (www.pats.ua.ac.be/hong.sun)

Mutual Assistance Community





Interactive smart home fitness group training system

- A possible application
- Help elderly people to take fitness programs independently at their homes, and encourage them take those programs.
- Use sensors to monitor their training status, remote access and visualisation of training parameters.
- Create a virtual feeling of training together in a group (via exchanging sensor data).
- Analyze sensor data for further usage, e.g. medical analysis.



Benefits

- Optimal training programs at home, reduction of waiting times and social resources consumption
- Specific training profiles for each users
- Create the sense of training with other peers, bringing game mode in the training, thus stimulating the elderly people to participate
- Training data could help the doctors better analyze the health status of the elderly people so that medical carers be able to provide better services
- Trainers may also explore business chances
- Insurance companies could use the sensor data to decide whether the elderly people are active, and adjust the amount of their insurance costs depending on this. This could also result into an extra incentive to take the fitness programs.



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