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Cyber physical cloud-oriented multi-sensory smart home framework for elderly people: An energy efficiency perspective

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Highlights

- Our energy-efficient cyber-physical smart home system can efficiently monitor the elderly people
- Smart home event detection using multi-sensory environment to assist the caregiver for making decisions
- An automatic control system using speech or gesture is developed to save energy
- We adopted an energy-aware cloud-based framework for load balancing
- Low-dimensional discriminative features are extracted from the multimedia sensors

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