

A Care System for the Aged using AI and Sensors

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A Care System for the Aged using AI and Sensors

Research Project

Project/Area Number

10680402

Research Category

Grant-in-Aid for Scientific Research (C)

Allocation Type

Single-year Grants

Section

一般

Research Field

情報システム学(含情報図書館学)

Research Institution

Kanazawa University

Principal Investigator

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1998 – 1999

Keywords

care for the aged / human activities / gas sensor / reasoning / air-pollutants

Research Abstract

In this research, we executed the foundation of research of the care system for the aged using AI and Sensors. The results are as follows.

- A modeling of tin-oxide gas sensor responses for temperature and humidity changes.
- Detection of gaseous indoor-air pollutants using multi gas sensor system and a Production.
- Gas-generating events estimation using remote sensing and cepstrum processing in an indoor space.
- Extraction of human activity function using approximate inverse filter.
- Recognition of human activities by gas sensor response using genetic algorithm.

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