

# An Intelligent Care System of Prevention Type for the Aged

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# 2004 Fiscal Year Final Research Report Summary

## An Intelligent Care System of Prevention Type for the Aged

Research Project

### Project/Area Number

15500105

### Research Category

Grant-in-Aid for Scientific Research (C)

### Allocation Type

Single-year Grants

### Section

一般

### Research Field

Perception information processing/Intelligent robotics

### Research Institution

Kanazawa University

### Principal Investigator

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### Project Period (FY)

2003 – 2004

### Keywords

Infrad Sensor / Pet Robot / Owner Distinction / Emotion Recognition / Face Identification / People Counting / High-Speed reasoning

### Research Abstract

In this research, we executed the foundation of research of the Intelligent Care System of Prevention Type for the Aged. The results are as follows.

- Recognition of Human Activities in the Residence
- Owner Distinction Method for Healing-Type Pet Robots
- A Study on Owner Distinction Method for Healing-Type Pet Robots -Introduction of Zero Data-
- Emotion Recognition System Using a Pet Robot
- Improvement of the Support System to Identify Face Using Simulated Breeding
- People Counting System at a Wide Gate Using Infrared Sensors
- A Hypothetical Reasoning System which Considers Failures in Reasonings

# Research Products (44 results)

All	2004	2003	Other
All	Journal Article		
[Journal Article] 多状態実時間両方向探索	2004	▼	
[Journal Article] CCDカメラ画像に基づいた自動車の車庫入れの自動化	2004	▼	
[Journal Article] 癒し型ペットロボットの飼い主判別に関する一考察 -ゼロデータの導入-	2004	▼	
[Journal Article] Efficient Bidirectional Approximate Heuristic Search	2004	▼	
[Journal Article] People counting system at a wide gate using infrared sensors	2004	▼	
[Journal Article] A method of determining the number of ATMs and operation hours by an agent model	2004	▼	
[Journal Article] Recommendation System Considering Customer's Taste at Online Shopping	2004	▼	
[Journal Article] Some relations between Watson-Crick finite automata and Chomsky hierarchy	2004	▼	
[Journal Article] バクテリオファージにおける自己組織化のモデル化と人工生命シミュレーション	2004	▼	
[Journal Article] Improving heuristic function of cost-based abduction system using real-time heuristic search	2004	▼	
[Journal Article] A Method of Determining The Number of ATMs and Operation Hours by An Agent Model	2004	▼	
[Journal Article] エージェントモデルを用いたATMの設置台数決定法	2004	▼	
[Journal Article] テキストマイニングと強化学習を用いた電子メール自動分配	2004	▼	
[Journal Article] Artificial Life Simulation of Self-Assembly in Bacteriophage by Movable Finite Automata	2004	▼	
[Journal Article] THE OBSTACLE DETECTION SYSTEM OF THE WALK SUPPORT FOR A VISUALLY IMPAIRED PERSON	2004	▼	
[Journal Article] DEVELOPMENT OF DIAGNOSTIC CRITERIA FOR SCHOOL PHOBIA USING A DECISION TREE	2004	▼	
[Journal Article] A HYPOTHETICAL REASONING SYSTEM WHICH CONSIDERS FAILURES IN REASONINGS	2004	▼	
[Journal Article] A STUDY ON IMPROVEMENT OF OWNER DISTINCTION FOR HEALING-TYPE PET	2004	▼	
[Journal Article] AN EXTENSION OF THE OWNER DISTINCTION METHOD BY INTRODUCEING OBLIVION MECHANISM	2004	▼	
[Journal Article] AN IMAGE RETRIEVAL SYSTEM IN CONSIDERATION OF INDIVIDUAL PREFERENCE	2004	▼	
[Journal Article] A STUDY ON IMPROVEMENT OF PET ROBOT'S HEALING EFFECT BY EMOTION RECOGNITION	2004	▼	
[Journal Article] SIMULATION OF PURCHASE BEHAVIOR IN A STORE USING AN AGENT MODEL	2004	▼	
[Journal Article] Efficient Bidirectional Approximate Heuristic Search	2004	▼	
[Journal Article] People counting system at a wide gate using infrared sensors	2004	▼	
[Journal Article] A method of determining the number of ATMs and operation hours by an agent model	2004	▼	
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[Journal Article] Some relations between Watson-Crick finite automata and Chomsky hierarchy	2004	▼	

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[Journal Article] Artificial Life Simulation of Self-Assembly in Bacteriophage by Movable Finite Automata	2004	▼
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[Journal Article] AN IMAGE RETRIEVAL SYSTEM IN CONSIDERATION OF INDIVIDUAL PREFERENCE USING IMPRESSIONAL WORDS	2004	▼
[Journal Article] A STUDY ON IMPROVEMENT OF PET ROBOT'S HEALING EFFECT BY EMOTION RECOGNITION	2004	▼
[Journal Article] SIMULATION OF PURCHASE BEHAVIOR IN A STORE USING AN AGENT MODEL	2004	▼
[Journal Article] 模擬育種法を用いた顔の同定支援システムの改善	2003	▼
[Journal Article] エージェントモデルを用いた狭域商圈業種の最適店舗数の推定	2003	▼
[Journal Article] 癒し型ペットロボットの飼い主判別手法	2003	▼
[Journal Article] 文字への加工を利用した和文ハードコピーへの情報ハイディングの一提案	2003	▼
[Journal Article] 様々な最適解探索手法のマルチプルアライメントへの適用と性能評価		▼
[Journal Article] 推論の失敗を考慮した仮説推論システム		▼

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