An Intelligent Care System of Healing Type for the Aged

2006 Fiscal Year Final Research Report Summary

An Intelligent Care System of Healing Type for the Aged

Research Project

Project/Area Number

17500106

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

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Project Period (FY)

2005 – 2006

Keywords

Aged / Healing / Recognition of Environment / Emotion Recognition / Ultrasonic Sensor / Pet Robot / Response of Plant Bioelectric / High-Speed Reasoning Potential

Research Abstract

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

1. State prediction for bather using ultrasonic sensors
2. Automatic Generation of MetaData for Semantic Web
3. The Straight Walk Support System for Visually Impaired with Walk Characteristics
4. New Evaluation for Risk Quantification Needed
5. Discovery of Knowledge for Treatment Support of School Phobia
6. The Study of an Individual Authentication using Pet Robot
7. A Study on Bidding Agent with Price Expectatio for Internet Auction
8. DSS for Strategic Arrangement of Goods Shelves in Supermarket
9. GENDER DETERMINATION OF PEDESTRIAN USING AREA SCANNER
10. A Study on Environment Recognition by Oder Sensor with SenseConcept
11. A Study on Recognition of Environment using Sensor-agent with Human Sense
12. A Speedup Algorithm for Repetition of Hypothetical Reasoning
13. GENDER DETERMINATION OF PEDESTRIAN USING AREA SCANNER
14. A Study on a Guardian Distinction System
15. A Study on Web Page Search Support System Using Web Annotatio
16. Research on Diagnosis Support System of School Phobia
17. Prediction Model about Risk Degree for Companies
18. Portfolio Selection Using Particle Swarm Optimization
19. Identifying System for Cusromer's Gender Using Infrared Area Scanners
20. Information Hiding for Hardcopy by Using Cutting Processed Characters and Morse Code

Research Products (61 results)

	All	2007	2006	2005	Other
	All	Journal Article (61 results)			

[Journal Article] Emotion Recognition System Using a Pet Robot **2007** ⌄

[Journal Article] A Stochastic Dynamic Local Search Method for Learning Multiple-Valued Logic Networks **2007** ⌄

[Journal Article] 企業構成員の意識・行動に基づくコンプライアンス リスク予測手法の提案 **2007** ⌄

[Journal Article] FMSシミュレーターによる多期間計画問題の有効性に関する検討-需要期間が限定される製品の生産計画に関する研究)- **2007** ⌄

[Journal Article] 三次元超音波画像センサを用いた人物属性識別システム **2007** ⌄

[Journal Article] ゲシュタルト心理学に基づく抽象図形の群化領域認識 **2007** ⌄

[Journal Article] 改善集団と改悪集団による進化的停滞を避ける遺伝的アルゴリズムと時間枠つき配送計画問題への適用 **2006** ⌄

[Journal Article] Particle Swarm Optimization の改良とポートフォリオ選択への応用 **2006** ⌄

[Journal Article] ペットロボットを用いた感情認識システム **2006** ⌄

[Journal Article] A Speedup Algorithm for Repetition of Hypothetical Reasoning **2006** ⌄

[Journal Article] 感覚概念を導入したニオイセンサによる環境認識に関する-考察 **2006** ⌄

[Journal Article] GENDER DETERMINATION OF PEDESTRIAN USING AREA SCANNER **2006** ⌄

[Journal Article] 風速変化に対する植物生体電位応答 **2006** ⌄

[Journal Article] マルチエージェントを用いた店舗内消費者行動シミュレータ **2006** ⌄

[Journal Article] 多変量解析による授業アンケート分析と授業改善に関する研究 **2006** ⌄

[Journal Article] 超音波センサを用いた浴槽内での異常検知システムの開発 **2006** ⌄

[Journal Article] Discovery of Knowledge for Treatment Support of School Phobia   **2005** ⌄

[Journal Article] The Study of an Individual Authentication using Pet Robot   **2005** ⌄

[Journal Article] A Study on Bidding Agent with Price Expectatio for Internet Auction   **2005** ⌄

[Journal Article] DSS for Strategic Arrangement of Goods Shelves in Supermarket   **2005** ⌄

[Journal Article] GENDER DETERMINATION OF PEDESTRIAN USING AREA SCANNER   **2005** ⌄

[Journal Article] A Study on Environment Recognition by Oder Sensor with Sense Concept   **2005** ⌄

[Journal Article] A Study on Recognition of Environment using Sensor-agent with Human Sense   **2005** ⌄

[Journal Article] ニオイセンサによる室内空気汚染方向の推定   **2005** ⌄

[Journal Article] A Study on Recognition of Environment using Sensor-agent with Human Sense, Proceedings of the 22nd Sensor Symposium on Sensors   **2005** ⌄

[Journal Article] State prediction for bather using ultrasonic sensors, Proc. of Asia Pacific Industrial Engineering and Management Systems   **2005** ⌄

[Journal Article] The Straight Walk Support System for Visually Impaired with Walk Characteristics, Proc. of Asia Pacific Industrial Engineering and Management   **2005** ⌄

[Journal Article] New Evaluation for Risk Quantification Needed, Proc. of Asia Pacific Industrial Engineering and Management Systems   **2005** ⌄

[Journal Article] Discovery of Knowledge for Treatment Support of School Phobia, Proc. of Asia Pacific Industrial Engineering and Management Systems   **2005** ⌄

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[Journal Article] A Study on Environment Recognition by Oder Sensor with Sense Concept, Proc. of Asia Pacific Industrial Engineering and Management Systems   **2005** ⌄

[Journal Article] Automatic Generation of MetaData for Semantic Web, Proc. of Asia Pacific Industrial Engineering and Management Systems   ⌄