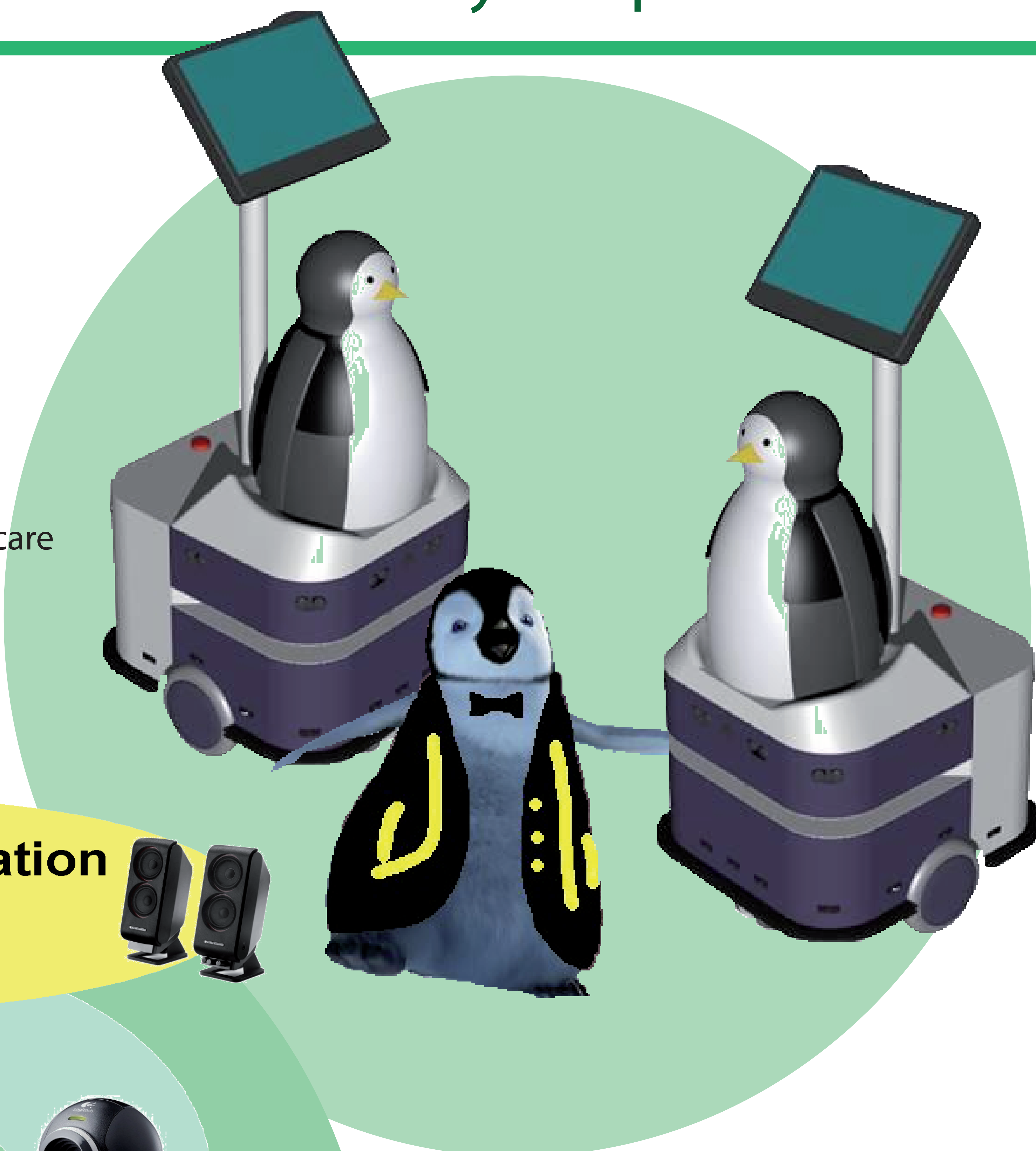


Cognitive Services for Elderly People

Objectives

- Physical and cognitive assistance
- Home services
- Autonomous robot
- Well-being of humans
- Reducing disability of patients
- Communication skills
- Entertainment, education and healthcare
- Social interaction
- Assistive daily living aids
- Verbal and non-verbal helps
- Cognitive stimulation



Verbal information

Prosody
Semantic
Emotion marking



Data fusion



Activity monitoring
Circadian rhythm

Non-verbal
information

Knowledge of environment
Appropriate reaction
Emotional interaction
Help elderly people

Research

- Robotics
- Emotional interaction
- Multi-modal signal processing
- Psychology
- Human Robot Interaction

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