Transfer of Cognitive Robotics Research to Industrial Applications – What's Missing from this Title?

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22 March, 08:30 – 10:00

Research vs. Research Results

Research Results vs. Inventions

Invention

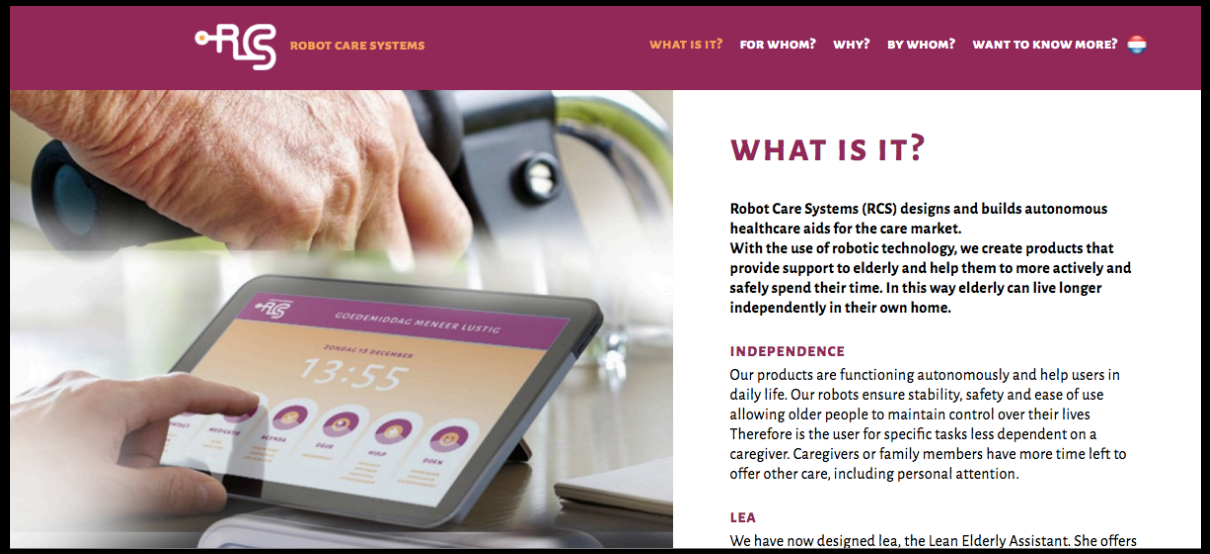
Does something specific

Performs reliably (QoS)

Satisfies a need

Workshop on Pre-Commercial Procurement
Enabling Robotics Based Care-Innovations for the Elderly

Maja Rudinac, CEO, Robot Care Systems



Cost – Reliability – Actual not perceived needs – Safety – Strategic partnerships with carers

Invention vs. Innovation

Innovation = Invention + Exploitation + Diffusion

Invention: the creative act or process and its result (e.g. a software program)

Exploitation: commercial development and adaptation to practical situations

Diffusion: adoption by a wider audience (cf. Robot Care Systems Business Model)

Transfer of Cognitive Robotics Research to Industrial Applications –

What's Missing from this Title?

Results and Inventions

Innovation >> Technology Transfer

Innovation = Invention + Exploitation + Diffusion

What results from cognitive robotics projects did you successfully transfer to industry?

None that I know of (so far)

What cognitive robotics technologies, which are expected to be transferred to industry in the next three years, are you currently developing?

SPARC:
Supervised Progressively Autonomous Robot Competencies

COGNITIVE ROBOTICS WITH PLYMOUTH UNIVERSITY

Perspective-taking (ToM-Lite):
Engagement, motivation, and inferring intentions

DREAM