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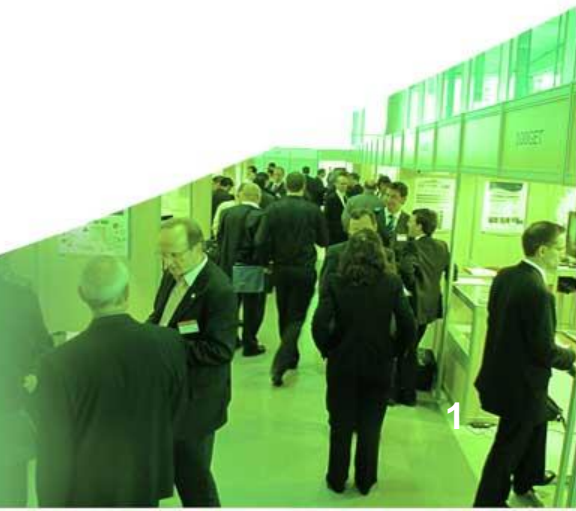
Smart Connected World



Proposers Day
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Virtual, Model-Based and Risk-Driven Health Management

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Applied Logic Laboratory (ALL) is a Hungarian R&D SME company established in 1986.

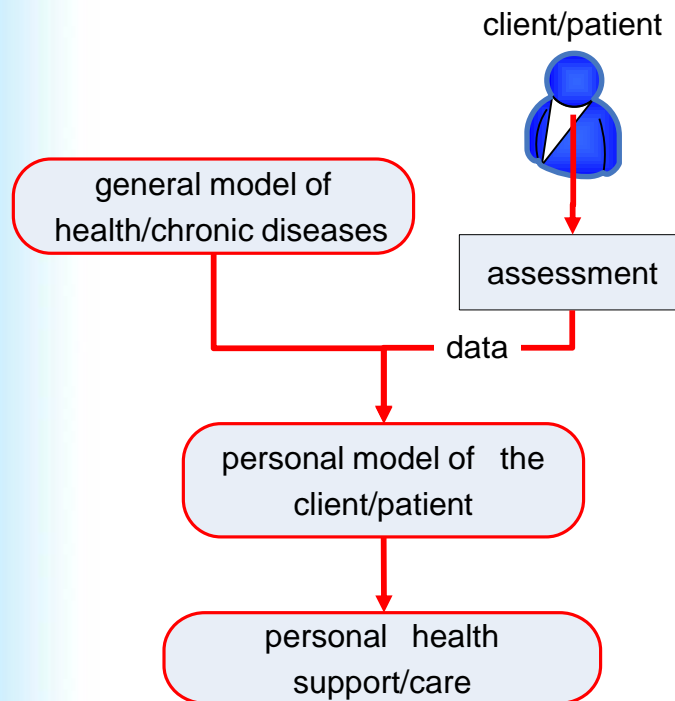
Its main research areas include

- *medical and biological informatics,*
- *modelling systems of high complexity,*
- *natural language processing and speech recognition, and*
- *artificial intelligence and cognitive systems.*

The company has participated in a large number of European e-health projects, most recently in REACTION (Remote Accessibility to Diabetes Management and Therapy, FP7, 2011–2014). Past EU e-health projects include MORE (FP6), BIDMED (FP5) and M2DM (FP5).

Virtual, Model-Based and Risk-Driven Health Management

Objective: To develop a virtual e-health partner



- Based on a risk-driven **general model** for health management or chronic care.
- Chronic care is supported for metabolic syndrome related diseases.
- The general model is **personalised** on the basis of a virtual assessment of the client.
- The assessment covers the client's **health culture** as well.
- A health management **plan** is generated on the basis of the personalised model.
- The virtual health management system helps the **execution** of the health plan, which is modified if necessary.
- The system supports spoken communication.

Expected Outcome, Impacts

- personalised care,
- shift toward proactive care from the traditional reactive approach,
- care plan will take into account predictions provided by individual, health status assessment-based patient models,
- patients will have an active role in the care process.

Business Model

There are two possible business models for the virtual solution:

1. To set up a new business entity which will act as a new player on the healthcare market and offer its services directly to the patients.
2. To build a general information system product and professional support to this system, and to offer the information system to existing health care players such as hospitals, municipals and insurers.

Potential partners:

- Mobile e-health specialist
- Software developer
- Health care provider

Contact Info

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