

Curriculum vitae of M. Hendriks

PERSONAL INFORMATION

Name: Monique Hendriks

Company: Philips Research, Human Interaction & Experiences department

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EMPLOYMENT HISTORY

15/01/2011 – Present

Philips Research

Function: Research scientist

Projects:

- Situated Coaching (2011): Designing methods for a context-aware, personalized coaching experience to help users to obtain and maintain a healthy lifestyle. Investigated the impact of creating a psychological profile of a user (including for example Stage of Change) and using that to personalize an automated intervention. Created a method for designing automated coaching systems in a flexible, easily extendible way, from the starting point of the domain expert in coaching to the actual implementation by the software engineer. This method makes it easier to adapt and extend an automated coach to include future insights in behavior change theory and effective intervention methods. Results of this research were incorporated in the Philips DirectLife program.
- SmarcoS (2011): European project (Artemis) on interusability. Workpackage leader of application oriented workpackage aimed at designing a personal adaptive assistant motivating users to obtain and maintain a healthy lifestyle. A system was designed for providing diabetes type II patients with timely advice and feedback on their behavior w.r.t. physical activity, medication adherence, food intake and glucose levels. Philips Research was also active in research-oriented workpackages regarding context-awareness, knowledge sharing and user-interface migration between multiple devices.
- Ambient Intelligence for DirectLife (2012): Running project. Based on previous research regarding behavior change and experiences in this area within the company, our team, consisting also of experts in this area, investigates how we can formalize behavioral change theories, so as to come up with requirements for an ambient intelligence environment that includes coaching functionality. Results are to be integrated in the Philips DirectLife program and should in a broader sense lead to

guidelines on how to exploit knowledge on behavior change models in ambient intelligent (coaching) systems.

EDUCATION

- 01/09/2007 – 31/08/2010 Master Artificial Intelligence,
Vrije Universiteit Amsterdam (VU)
Specialisation: Cognitive Science
Thesis: A cognitive agent model for mindreading
Diploma 16/06/2010 Judicium: Cum Laude
Publication ICCCI2010: Modeling Super Mirroring Functionality in
Action Execution, Imagination, Mirroring, and Imitation
- 01/09/2006 – 30/11/2010 Master Computer Science and Engineering,
Technische Universiteit Eindhoven (TU/e)
Thesis: A formal language for cognitive agent models
Diploma 29/11/2010 Judicium: Cum Laude
- 01/09/2006 – 31/08/2007 Premaster Artificial Intelligence,
Vrije Universiteit Amsterdam (VU)
- 01/09/2002 – 20/06-2006 Bachelor Technische Informatica (Computer Science),
Technische Universiteit Eindhoven (TU/e)
Diploma 20/06/2006

EXPERTISE

- Artificial Intelligence: Cognitive Modelling, Machine Learning, Embodied Cognition,
Agent Systems
- Computer Science: Formal Methods, Design of Formal Languages, Ontology
Engineering, Information Retrieval, Theory Proving, Model
Checking
- Domain Specific: Behavioral Change Theories, Coaching and Motivation