

## Clustering Event

### Ambient Intelligence Advanced Technologies in Support of Healthcare and Assisted Living

The REACTION Consortium organizes a Clustering Event on *Ambient Intelligence Advanced Technologies in Support of Healthcare and Assisted Living*, that will take place at the Foundation for Research & Technology - Hellas, in Heraklion, Crete, Greece, on 26-27<sup>th</sup> September, 2013.

The aim of the clustering event is to bring together European projects for demonstrations, presentations of innovative solutions, and discussions of potential synergies and cooperation. There will be a total of 25 European projects represented in the event. The title of the projects and the draft agenda is presented below.

PROJECT	TITLE/DESCRIPTION
1. Accompany	Acceptable robotics companions for ageing years
2. Antilope and Shared Care Platform	Adoption and take up of standards and profiles for eHealth interoperability and functionality to establish cross sector collaboration and continuity of care
3. AP@home	Artificial pancreas at home
4. BackHome and BrainAble	Brain-neural computer interfaces on track to home – Development of a practical generation of BNCI for independent home use Autonomy and social inclusion through mixed reality Brain-Computer Interfaces: Connecting the disabled to their physical and social world
5. Care@Home	Enabling empowerment, wellness and social care services to the home of the elderly through interactive multimedia SmartTV
6. Commodity12	Continuous multi-parametric and multi-layered analysis of diabetes type 1 & 2
7. Dali	A special walker for seniors with cognitive impairments
8. Dem@Care	Dementia Ambient Care: Multi-sensing monitoring for intelligent remote management and decision support
9. eHealthMonitor	A service-oriented platform used in the process of generating a personal eHealth knowledge space (PeKS) as an aggregation of all knowledge sources relevant for the provision of individualized personal eHealth services
10. Empower	Support of patient empowerment by an intelligent self-management pathway for patients
11. e-No Falls	European network for FALL prevention, intervention & security
12. Farseeing	Fall repository for the design of smart and self-adaptive environments prolonging independent living
13. Fate	Fall detector for the elderly
14. GiraffPlus	A complex system which can monitor activities in the home using a network of sensors, both in and around the home as well as on the body
15. GoCarb	A computational system which will support individuals with type 1 diabetes in automatically estimating the grams of carbohydrate in a meal in near real-time

<b>PROJECT</b>	<b>TITLE/DESCRIPTION</b>
16. Hobbit	The mutual care robot
17. I-Dont-Fall	Integrated prevention and detection solutions tailored to the population and risk factors associated with falls
18. inCasa	Integrated network for completely assisted senior citizen's autonomy
19. MobiGuide	An intelligent evidence-based system for patients with chronic illnesses; it analyses bio-signals from body-worn sensors and gives advice 24/7
20. MovingLife	Roadmaps for technological research, implementation practice and policy support with the aim of accelerating the establishment, acceptance and wide use of mobile eHealth solutions that will support lifestyle changes among citizens and improve disease management globally
21. p-Medicine	From data sharing and integration via VPH models to personalized medicine
22. Reaction	Remote accessibility to diabetes management and therapy in operational health care networks
23. Rempark	Project is to develop a personal health system (PHS) with closed loop detection, response and treatment capabilities for management of Parkinson's disease patients
24. Saapho	Secure active ageing: participation and health for the old
25. Universaal	Universal open platform and reference specification for ambient assisted living

## DAY 1: Thursday 26 September 2013

9:00-9:20	Registration of participants	
9:20-9:30	Welcome Address	Constantine Stephanidis, Director of FORTH-ICS, Greece
9:30-9:40	Welcome Address	Lydia Montandon, Coordinator of Reaction, Atos, Spain
9:40-09:55	Welcome Address	Gerald Cultot, DG Communications Networks, Content and Technology, Directorate H: Sustainable & Secure Society, Health and Well-Being
09:55-10:10	Welcome Address	Jan Komarek, DG Communications Networks, Content and Technology, Directorate H: Sustainable & Secure Society, Digital Social Platforms
<b>PERSONAL HEALTH SYSTEMS FOR DIABETES</b>		
Session Chairs: Gerald Cultot and Lydia Montandon		
10:10-10:30	Reaction	Lydia Montandon, Atos, Spain
10:30-10:50	AP@home	Steve Lane, Triteq Co, UK
10:50-11:05	Coffee Break	
11:05-11:25	Commodity12	Oliver Keller, German Research Center for Artificial Intelligence, Germany
11:25-11:45	Empower	Manuela Plössnig, Salzburg Research, Austria
11:45-12:05	GoCarb	Marios Anthimopoulos, University of Bern, Switzerland
12:05-12:25	Discussion	
<b>SOCIAL CARE THROUGH ROBOTS</b>		
Session Chairs: Jan Komarek and Margherita Antona		
12:25-12:45	Dali	Daniele Fontanelli, Università degli Studi di Trento, Italy
12:45-13:05	Accompany	Farshid Amirabdollahian, University of Hertfordshire, UK
13:05-14:05	Lunch	
14:05-14:25	GiraffPlus	António Damasceno, ISA sensing, Portugal
14:25-14:45	Hobbit	Alexandra Schmid, Akademie Fur Altersforschung Am Haus Der Barmherzigkeit, Austria
14:45-15:05	Discussion	
<b>SOCIAL CARE</b>		
Session Chairs: Jan Komarek and Angelina Kouroubali		
15:05-15:25	p-Medicine	Haridimos Kondylakis, FORTH-ICS, Greece
15:25-15:45	BackHome, BrainAble	Guillem Serra, Barcelona Digital Technology Centre, Spain

15:45-16:00	Coffee Break	
16:00-16:20	Care@Home	Nick Guldemond, Delft University of Technology, Netherlands
16:20-16:40	inCasa	Malcolm Clarke, Russell Jones, Brunel University, UK
16:40-17:00	Saapho	Guillem Serra, Barcelona Digital Technology Centre, Spain
17:00-17:20	Universaal	Ioannis Moulos, CERTH, Greece
17:20-17:40	Discussion	
17:45-18:45	Demonstrations of Ambient Intelligence Technologies, FORTH-ICS	
20:30	Dinner	<i>Kipos ton Gefseon</i> (Garden of Tastes) 8 Chrisostomou Av., 71500 Heraklion <a href="http://www.kipostongefseon.gr/ktg_en/home_en.html">http://www.kipostongefseon.gr/ktg_en/home_en.html</a>

## DAY 2: Friday 27 September 2013

### PERSONAL HEALTH SYSTEMS

Session Chairs: Gerald Cultot and Franco Chiarugi

9:00-9:20	MovingLife	Ann-Katrin Habbig, VUB, Belgium
9:20-9:40	Rempark	Joan Cabestany, Universitat Politecnica de Catalunya, Spain
9:40-10:00	Dem@Care	Alexia Briassouli, CERTH, Greece
10:00-10:20	eHealthMonitor	Michael Schüle, Universität Hohenheim, Germany
10:20-10:40	Antilope and Shared Care Platform	Morten Bruun-Rasmussen, MEDIQ, Denmark
10:40-10:55	Coffee Break	
10:55-11:15	MobiGuide	Arturo Gonzalez Ferrer, University of Haifa, Israel
11:15-11:35	Discussion	
11:35-13:00	SEMINAR: “Natural Interaction in Ambient Intelligence”	FORTH-ICS
13:00-14:00	Lunch break	

### FALLS

Session Chairs: Andreu Catala and Nick Guldemond

14:00-14:20	Farseeing	Lorenzo Chiari, Università di Bologna, Italy
14:20-14:40	I-Dont-Fall	Gianna Tsakou, SingularLogic S.A., Greece
14:40-15:00	Fate	Joan Cabestany, Universitat Politecnica de Catalunya, Spain
15:00-15:20	e-No Falls	Andreu Catala, Universitat Politecnica de Catalunya, Spain
15:20-16:00	World Café: Coffee Break & Discussion	
16.00-17:00	Round Table: “Ambient intelligence technologies in support of healthy ageing and healthcare”	

**END OF CLUSTERING EVENT**