

4th Young Researchers' and PhD Workshop

Research on Innovative Solutions for Elderly

PROGRAM

September 23rd - 26th, 2012



Taking place at the:

AAL Forum in Eindhoven

The Netherlands

(September 24th - 27th, 2012)

RISE Head:

Ilse Kryspin-Exner
University of Vienna (Austria)

RISE Chairs:

Beatrix Séllei
University of Budapest (Hungary)

Luca Fanucci
University of Pisa (Italy)

Anna Felnhofer
University of Vienna (Austria)

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RISE revolutions Program

September 23rd – 27th 2012

Sunday, September 23rd 2012

20:00h – open end

Get Together

The purpose of the Get Together is to meet and to get to know each other in an informal context!

<http://www.effenaar.nl/>

Dommelstraat 2
5611 CK Eindhoven



All Young Researchers arriving later than 20:00h are kindly invited to join the event upon their arrival.

There will be a small buffet and some beverages.

Monday, September 24th 2012

09:30h – 17:30h

Technical University of Eindhoven, Black Box - Theatre

RISE revolutions
WORKSHOP

For a more detailed program see next page!

18:30h – 20:30h

Eindhoven Music Hall

Official AAL Forum Opening

20:30h – 22:30h

Eindhoven Music Hall

Walking Dinner and Social Event

Tuesday, September 25th 2012

Whole day

PLEASE BE AT THE EVOLUON AT 11 am TO PUT UP YOUR POSTER
Poster session displaying your work

12:30h – 14:00h

Evoluon

Lunch-break at
exhibition

During both events you will be able to present your poster personally to numerous participants of the congress.

17:30h – 19:00h

Evoluon

Cocktail party at the
exhibition

At this event the three best presentations will be granted with a special young researchers' award.

Wednesday, September 26th 2012

16:00h – 17:30h

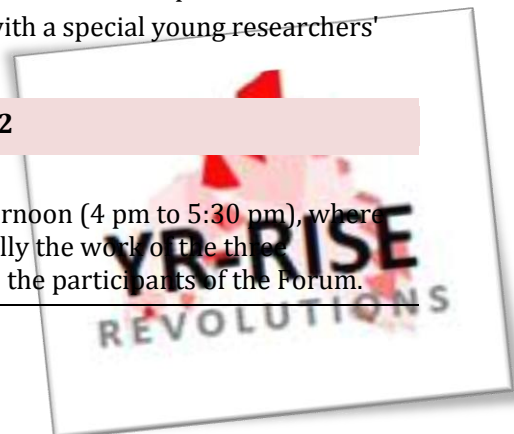
Evoluon (Track D5)

A 90 minute session on Wednesday afternoon (4 pm to 5:30 pm), where the results of the workshop and especially the work of the three workshop winners will be presented to the participants of the Forum.

18:30h – 22:30h

Former Philips factory

Grand finally and Social Dinner



More detailed program for Monday, September 24th 2012

Beginning	End	Activity
9:30	9:45	Opening
9:50	10:25	Teaser: Track 1 - <i>Virtual Reality and Telemedicine</i>
10:30	11:05	Teaser: Track 2 - <i>Social Computing</i>
11:05	11:20	Coffee Break
11:25	12:05	Teaser: Track 3 - <i>Assistive Technologies</i>
12:10	12:40	Teaser: Track 4 - <i>Communication Technologies and Interfaces</i>
12:40	13:40	Lunch
13:45	15:05	Working in tracks
15:05	15:20	Coffee Break
15:25	15:35	Explanation of the <i>Fantasy Project</i> and assignment of four groups
15:35	16:25	<i>Fantasy Project:</i> Preparation in groups
16:30	17:10	<i>Fantasy Project:</i> Presentation and Discussion in plenum
17:10	17:30	Closing and announcement of the three best presentations
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PLACE:		EINDHOVEN MUSIC HALL
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18:30	20:30	Official Forum Opening
20:30	22:30	Walking dinner and social evening



ORDER OF TEASER PRESENTATIONS

TRACK 1: Virtual Reality and Telemedicine

(Chair: Anna Felnhofer)

Antonietti, Angelo (Barakat, A., & Kort, H. S. M.):

Predictors for the use of remote telecare in older adults in the Netherlands

Barakat, Ansam (A. Antonietti, & H.S.M Kort):

Predictors for the use of remote telecare for health care professionals

Baumm, Ellen:

Ethical guidelines for technological research

Doñate-Martinez, Ascensión (Ródenas, F., Durá, E., & Garcés, J.):

Valcronic Programme: new technologies to improve the monitoring of elders with chronic diseases

Nielsen, Dorthe Bodholt (Branebjerg, J., & Sorensen, H. B.D.):

Automatic Analysis of Electrocardiogram Signals Recorded with a Novel Wireless Patch Technology

Peek, Sebastiaan (Wouters, E. J. M, van Hoof, J., Luijkx, K. G., & Vrijhoef, H. J. M.):

Research on the sustained use of technology to support aging in place by community dwelling older adults

Rosado, Luís Filipe:

Skin lesions analysis via mobile devices

Scholz, Antonia:

Technology acceptance Model

Sehili, Mohamed El Amine:

Daily sounds detection and recognition in Smart Home

Sinoo, Marianne (van Hoof, J., & Kort, H. S. M.):

Light conditions in the nursing home

Szabo, Tamas (Vajda, L., & Kiss, N.):

Monitoring health status of relatives – “the smoke in the chimney” approach



TRACK 2: Social Computing

(Chair: Oswald D. Kothgassner)

Benetazzo, Flavia:

Intelligent robotic systems to assist elderly people

Covelescu, Iulian Mihai (Roelofsma, P.):

Modeling optimal timing for reinforcing decisions for elderly people

Ferracuti, Francesco (Gitau, K.):

Integration of BCI framework in a Robotic Platform for Supporting
Autonomy and Independence of People with Special Needs

Freddi, Alessandro (Raspa, Paolo):

Low-cost robotic platform for 3D movement analysis of Parkinsonians in
home daily activities

Kristoffersson, Annica:

Spatial Configurations in Communication via a MRP System

Linimayer, Claudia:

Closing the Gap – relationships between personality factors and technology
acceptance

Pommeranz, Alina:

Positive and ethical design of ICT for social inclusion of old adults

Silianoff, Bianca:

Closing the Gap – relationships between verbal and nonverbal behaviour
and technology acceptance

Torta, Elena (Cuijpers, R. H., & Juola, J. F.):

A preliminary assessment of people's attitude toward socially assistive
robots in intelligent homes

van Dijk, Elisabeth Theodora:

The Influence of Gaze & Gestures on Message Recall in Human-Robot
Interaction



TRACK 3: Assistive Technologies

(Chair: Luca Fanucci)

Aguilar, Paulo Armando Cavalcante (et al.):

Heterogeneous multisensor fusion based on an Evidential Network for fall detection

Andrushevich, Aliaksei (Salomon, R., & Klapproth, A.):

Supporting the AAL applications via building intelligence

Ates, Nesrin:

User integration and user centered design for AAL solutions

Bort, Carlos Maximiliano (Badii, A., & Bosetti, P.):

The Challenges of High Accuracy-Low False-Alarm Human Postural Orientation Detection

Diraco, Giovanni (Leone, A., & Siciliano, P.):

A context-aware platform for non-invasive posture recognition in AAL services

Dohr, Angelika:

Usability outcomes of assistive technologies for older adults in the LiKeIT project

Ejupi, Andreas:

Modern fall prediction methods

Huisman, Emelieke (Huisman, C. A. M., & Kort, H. S. M.):

Use of smart home automation and implementation in care organisations

Kohlmann, Jidske (Janssen, J., & Jansen, E.):

Designing housing concepts with and for informal carers

Robben, Saskia Maria Bernarda:

How is Grandma doing Predicting Functional Health Status from Binary Ambient Sensor Data

Turturici, Mauro (Fanucci, L., Iacopetti, F., Saponara, S., & Avvenuti, M.)

A Wearable System for Early Fall-detection and Alarm Sending for Elderly People



Wesierski, Daniel (Horain, P., & Kowalczyk, Z.):

EBE. Elastic Blob Ensemble for Coarse Human Tracking

Zhou, Lelai (Bai, S., & Rasmussen, J.):

Biomechanical modeling of an assistive shoulder orthosis

TRACK 4: Communication Technologies and Interfaces

(Chair: Beatrix Séllei)

Allameh, Erfaneh & Jozam, Mohammadali Heidari (de Vries, B., & Timmermanns, H.):

Prototyping of a User Centered Design Tool for Smart Homes

Barbabella, Francesco:

Improving comparability between ICT-based interventions for carers of older people

Guettari, Toufik (et al.):

An unobtrusive monitoring device for persons at home

Mouna, Selmi (El Yacoubi, M. A., & Dorizzi, B.):

A system of human activity recognition from video sequences

Petzold, Martin:

Towards a Taxonomy for Ambient Assisted Living User Interaction

Sanchez, Victor:

Travel & Transport solutions through emotional-social NETWORKING

Takac, Boris (Chen, W., & Catala, A.):

Ambient Context Based System for Parkinson's Disease Monitoring

Tóth, András:

Maintenance free homecare sensor systems

Unger-Buettner, Manja:

Reflections on Technological Development



Important Places!

1. **Get Together: the EFFENAAR**

Dommelstraat2,
5611 Centrum, The Netherlands

See:

http://maps.google.at/maps?hl=de&bav=on.2,or.r_gc.r_pw.r_qf.&biw=1280&bih=834&wrapid=tlif134625061588310&q=Dommelstraat+2+eindhoven&um=1&ie=UTF-8&hq=&hnear=0x47c6d91d702939cd:0xa5efb39c78c676e2,Dommelstraat+2,+Centrum,+The+Netherlands&gl=at&sa=X&ei=fCc-UNPGK8jusgbF3YD4Cg&ved=0CCMQ8gEwAA)

2. **YR RISE revolutions Workshop: Technical University Eindhoven (De Zwarte Doos)**

Den Dolech 2,
5612 AZ Eindhoven, The Netherlands

see:

http://maps.google.at/maps?hl=de&cp=30&gs_id=5&xhr=t&bav=on.2,or.r_gc.r_pw.r_qf.&biw=1280&bih=834&wrapid=tljp134806314859100&um=1&ie=UTF-8&q=technical+university+eindhoven&fb=1&gl=at&hq=technical+university&hnear=0x47c6d91b5579c39f:0xf39ad2648164b998,Eindhoven,+Niederlande&cid=0,0,14170138284167761407&sa=X&ei=s89ZUOzIDomztAb3iIHABA&sqj=2&ved=0CHwQ_BlwAA

3. **AAL Forum: The Evoluon**

Noord Brabantlaan 1 A,
5652 LA Eindhoven, The Netherlands

see:

http://maps.google.at/maps?hl=de&bav=on.2,or.r_gc.r_pw.r_qf.&biw=1280&bih=834&wrapid=tljp134806334596128&um=1&ie=UTF-8&q=the+evoluon+eindhoven&fb=1&gl=at&hq=the+evoluon+eindhoven&hnear=the+evoluon+eindhoven&cid=0,0,460452206175691458&sa=X&ei=etBZUP7UldDHsgacg4GABw&sqj=2&ved=0Cl8BEPwSMAA

