



FORUM 09  Vienna

**AMBIENT ASSISTED LIVING FORUM 09**

Vienna, September 29 - October 1, 2009

# FORUM Programme



## **Innovative ICT Solutions for Older Persons A New Understanding**

September 29<sup>th</sup> - October 1<sup>st</sup>, 2009  
Hofburg, Heldenplatz  
Vienna, Austria

## ACKNOWLEDGMENTS

### FORUM Committee

**Chair:** Reinhard Goebel, AAL Vice President, Federal Ministry of Transport, Innovation and Technology, AT

- Paolo Dario, Scuola Superiore Sant'Anna, IT
- Gerhard Finking, AAL President, DE
- Gerda Geyer, AAL-NCP, Austrian Research Promotion Agency, AT
- Urs Guggenbühl, FHS St. Gallen, CH
- Holly Jimison, Oregon Health & Science University, Portland, USA
- Pekka Kahri, Chair AAL Working Group Content, TEKES, FI
- Ilse Kryspin-Exner, University of Vienna, AT
- Geja Langerveld, AAL-NCP, ZonMw, NL
- Jackie Marshall-Cyrus, Technology Strategy Board, UK
- Claus Nielsen, Medcom, DK
- Silas Olsson, VINNOVA, SE
- Christian Wehrmann, VDI/VDE Innovation + Technik GmbH, DE
- Peter Wintlev-Jensen, European Commission, BE
- Wolfgang Zagler, Vienna University of Technology, AT
- Kerstin Zimmermann, Federal Ministry of Transport, Innovation and Technology, AT

### Organisation

#### Austrian Computer Society

Eugen Mühlvenzl, secretary general

Branka Barisics, Brigitte Breit, Christine Haas, Karin Hiebler,  
Elisabeth Maier-Gabriel, Wolfgang Resch, Johann Stockinger, Elisabeth Waldbauer



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#### Federal Ministry of Transport, Innovation and Technology

Alexandra Kuhn

## FOREWORD

### We are getting older ...

We are getting older. The simple fact is that not only are we getting older but our society as a whole will reflect this demographic change. It is therefore dependent on us at this point in time to determine how our ageing will impact in the future, and what the future will look like. We have the capacity and capability to shape it and we should actively do so. Today, in contrast to the past, we have a variety of possibilities to keep ourselves healthy and active for even longer. Technology is one such possibility. Through the exploration of the possibilities that technology offers us,

Ambient Assisted Living (AAL) can extend the time we will live in our preferred home environment and can assist us in our daily activities within our information society.

Technology is not a singular solution in shaping a society conducive to ageing. A "New Understanding" of its potentials is necessary to get closer to the users and to involve them directly in the development of this new technology. The AAL Joint Programme is the result of the common European vision combining innovative ICT and a new approach of cooperation based on Art. 169 of the European Treaty which fosters close cooperation of national and regional initiatives. The first AAL projects are already in operation giving us a wide range of experiences.

The AAL FORUM 09 is the opportunity to share in the formation of a thrilling future and to discuss the topics in various perspectives with all stakeholders of AAL. The „AAL FORUM Vienna 2009“ is the first of a series of events of this type. Through three Tracks AAL Forum 09 will focus on the Joint Programme itself and the rich variety of national and regional initiatives in the field, as well as the innovative and socioeconomic aspects of AAL. The AAL Forum's workshops, exhibition, poster sessions and social events will offer a broad variety of opportunities to get an overview, to exchange views and discuss controversial perspectives and ideas. We make explicit mention the workshop for Young Researchers and PhDs with its considerable number of active participants indicative of a strong commitment for the future.

We have to thank all those who contributed to the realisation of this event; the fonctionnaires and various Committees of the Joint Programme, the AAL FORUM 09 Committee itself, the national institutions and NCPs and the local organizers.

Last but not least, let us remind you that Vienna is a very old European meeting place. Europe was reconstructed at our FORUM 09 location some years ago (Vienna Congress). The Imperial Palace creates a special atmosphere of (light) elegance and openness at a time. We hope that we will be able to contribute to a future friendly Europe by developing a new type of Information and Communication Technology focus.

Dear participants, the AAL FORUM 09 Committee and the local organizers worked tirelessly to prepare this opportunity. Now it is up to you to engage with us and the rest of the Community and make the best use of this splendid opportunity through active participation in the FORUM.

Thank you for coming to Vienna!

Gerhard Finking  
AAL President

Vienna, September 2009

Reinhard Goebel  
Chair FORUM Committee

## PROGRAMME - OVERVIEW

### Registration

Registration is possible on every day of the conference (Tuesday to Thursday)

Tuesday: 8:00 - 17:00

Wednesday: 8:30 - 17:00

Thursday: 8:30 - 12:00

The Registration Area (© HOFBURG Vienna, Larry Williams)



### Tuesday, September 29, 2009

09:00-12:00	Workshop for Young Researchers and PhD - Radetzky II and Festsaal		Workshop on Serious Games for Active Ageing - Radetzky I	Exhibition Galerie
12:00 - 13:00	Lunch			
13:00 - 14:00	Opening with high representatives of AT, EC and SE - Festsaal			
14:00 - 15:30	Keynotes - Festsaal. Bernd Marin Easy Ageing: Who Needs and Who Wants What Assistance for Well-Being? Jeroen Wals An Industrial Vision from Philips Holly Jimison A US Perspective on Research Trends in Technologies for Ambient Assisted Living			
15:30 - 16:00	Coffee Break			
	Track 1 The Joint Programme Zeremoniensaal	Track 2 National and Regional Aspects - Festsaal	Track 3 Innovation & Economy Rittersaal	
16:00 - 17:30	AAL Projects I	AAL in National Strategies	Economic Impact of Demographic Change	
18:00 - 22:00	Welcome Reception - Hofburg Vienna - Galerie			

**PROGRAMME - OVERVIEW**

**Wednesday, September 30, 2009**

09:00 - 10:30	Round Table: AAL Market Developments - Barriers and Carriers - Festsaal			Exhibition Galerie
10:30 - 11:00	Coffee Break			
11:00 - 12:30	AAL JP - Participation Rules	Intelligent Solutions: How to Save Time and Costs	Business Models	
12:30 - 14:00	Lunch		Workshop on Business Plans - Radetzky III	
14:00 - 15:30	Healthy Ageing	Programme benefit	User driven Development	
15:30 - 16:00	Coffee Break			
16:00 - 17:30	Active Ageing	End-user Involvement	AAL as a Chance for Innovation	
19:30	FORUM Dinner - Orangerie Schönbrunn			
				14:30 Guided Tour for End-users

**Thursday, October 1, 2009**

09:00 - 10:30	AAL Projects II	Ethical Issues	Standards and Interoperability	Exhibition
10:30 - 11:00	Coffee Break			
11:00 - 12:30	Networking / Matchmaking	ICT Solutions: Do we want it, can we use it, will we buy it?	Trends and Roadmapping	
12:30 - 13:00	Lunch			
13:00 - 14:00	Closing: Focus for the Future - Festsaal			



## FORUM VENUE

### Hofburg Vienna

The former Austrian Imperial Palace at the inner heart of Vienna is a beautiful conference location including the Austrian national library and the Spanish Horse Riding School.



The Hofburg is the former imperial residence. From 1438 to 1583 and from 1612 to 1806, it was the seat of the kings and emperors of the Holy Roman Empire of the German Nation, thereafter the seat of the Emperor of Austria until 1918. Today it is the official seat of the Austrian Federal President.

The oldest sections originate from the 13th century and were primarily constructed by the last of the Babenbergers or by Ottakar II of Bohemia. Previously the castle of the Austrian rulers had been located on the square called „Am Hof,” which is near the Scottish Monastery (Schottenstift).

Following the enlargement of Vienna after the demolition of the city walls in the

1860s, the Hofburg had its last great expansion.

In 1913, the south-west wing, the New Castle (Neue Burg), was completed. The New Castle wing today houses a number of museums (the Ephesus Museum, the Collection of Arms and Armor, the Collection of Ancient Musical Instruments, and the Museum of Ethnology) as well as the reading rooms of the Austrian National Library and the Hofburg Congress Center. Equestrian statues of the two most important Austrian field marshals, Prince Eugene of Savoy and Archduke Charles, stand at the foci of Heroes Square.

The AAL FORUM Vienna 2009 takes place in the marked rooms of the Hofburg Congress Center (see map on the next page).

#### Wireless (WLAN)

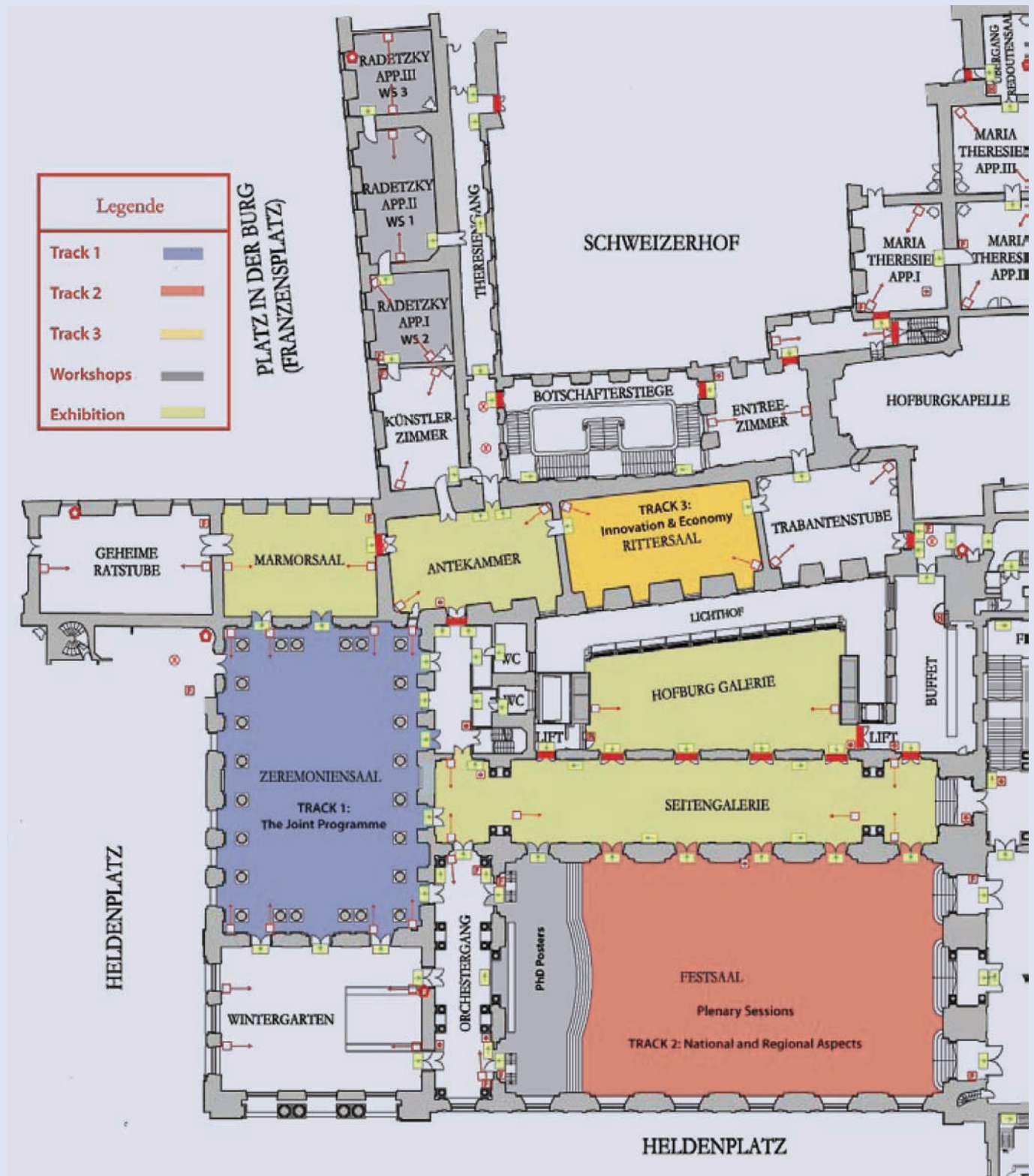
The FORUM area is covered by a wireless local area network (WLAN). Following settings are required:

- Network Name (SSID): HofburgSecured
- Data encryption mode: WPA2-AES or WPA-TKIP
- TCP/IP configuration: DHCP
- shared key: AAL-F2009Vienna

#### Coffee Breaks and Lunches

Coffee Breaks, Lunches and two evening events are included in the conference fee. The meals are served in the area of the FORUM exhibition (Galerie). For the social events see pages 37 and 38.

FORUM VENUE



## THE AMBIENT ASSISTED LIVING JOINT PROGRAMME

### Memberstates addressing the common problem of the ageing society

The demographic development and the ageing of the European population will lead to a growing number of older people living alone and in need of sometimes intensive care, to a decreasing and ageing workforce in general and an increase of budgets for health care and social care. The number of persons with physical and mental disabilities and especially chronic conditions will rapidly grow. The problems of care and assistance to these persons are becoming more and more important both from the social and economic point of view. They will bring dramatic challenges for healthcare and care systems, state pension schemes and employers alike. All these trends and challenges are now amplified by the effects of the economic and financial crisis, especially on the public budgets.

The challenges of demographic change cannot be approached with traditional policies and concepts. Already around the year 2020 a first mayor impact of the demograpühic trend will be impost on most societies in Europe. The needs for immediate actions are even bigger because many regions in Europe, urban and rural as well, will feel that impact earlier and stronger. Especially with regard to the decreasing workforce for care and cure, new technologies and new innovative systems solutions are necessary, especially in the field of innovative ICT-enabeled assisted living or „ambient assisted living“ (AAL) solutions. Europe has a high scientific, technological and industrial potential in these technologies and systems. From a lot of already carried out projects on national and European level it is well known, that AAL, assistive technologies, can help older individuals to improve their quality of life, to stay healthier and to live longer in their preferred living environment, thus extending the individuals active and creative participation in the community.

Implementation and dissemination of new AAL solutions cannot be realised without close interaction with the national systems especially of healthcare, social care and institutions supporting senior citizens or having a high importance. Because of these strong interrelations with national and regional actors but also of great similarities of vthe problems in all European countries, a new approach of a funding programme for innovations has been applied. The AAL Joint Programme is a memberstate driven programme of 23 member states according to Article 169 of the European Treaty. The Ambient Assisted Living (AAL) Joint Programme (AALJP) was set up in 2008 with budget support from European Commission of 25 Mill € and a total budget in the order of 55-60 Mill € per year (2008 – 2013).



## PLENARIES

Festsaal  
Day 1 (September 29)  
13:00 - 14:00

### Plenary 1: Opening

#### Rationale

The AAL Joint Programme passed the co-decision process – Commission – Council - EU Parliament quite smoothly and successfully. Because of that high and important involvement of the European institutions, high representatives of the member states, for the Vienna Forum from Austria, and from the European Council, represented by Sweden, having the present presidency and from the European Commission. The success of this new way of dealing with common problems in Europe is in the interest of all participating parties and stakeholders of the AAL Joint Programme. Developing effective solutions to big challenges is one part of this joint interest. Demonstrating the ability, innovativeness and flexibility to apply new ways of cooperation in Europe is equally important for the future of the European Union.

#### Target group

- all

**Chair:** Gerhard Finking, AAL President

#### Speakers:

- **Rudolf Hundstorfer**, Minister, Austrian Federal Ministry of Social Affairs (tbc)
- **Fabio Colasanti**, Director General, DG InfSo and Media (tbc)
- **Ragnwi Marcelind**, State Secretary, Swedish Ministry for Elderly Care and Public Health Ministry of Health and Social Affairs (tbc)

## PLENARIES

Festsaal  
Day 1 (September 29)  
14:00 - 15:30

### Plenary 2: Keynotes

#### Rationale

The Ambient Assisted Living Joint Programme comprises two important elements - a thematic topic (innovative ICT for older persons) and a new way of European R&D cooperation (based on Article 169 of the European Treaty). This means a well distributed and strong involvement of national and regional initiatives and activities.

This keynote session gives an introductory overview as a basis for the other sessions and presentations.

**Bernd Marin** will give a general background and introduction to the FORUM. He will highlight a futuristic view of what ageing could be and mean for Europe from a socioeconomic perspective in order to characterize the demographic phenomenon. The discussion will centre around needs and who should provide the corresponding assistance.

**Jeroen Wals** will develop an industrial view of AAL. What are the challenges, the competition structures? Is there anything like European stronghold or is it just a global market?

**Holly Jimison** will look at academic ideas and results in discussion of future technologies. Of course US input will play a significant role in conveying to the European auditorium how other nations of the world are dealing with this truly global challenge.

#### Target group

- all

**Chair:** Reinhard Goebel, Chair of the AAL Forum Committee / AAL Vice President, Austrian Federal Ministry for Transport, Innovation and Technology, AT

#### Speaker and Topic

- Bernd Marin, Executive Director, European Centre for Social Welfare Policy and Research, Vienna, AT  
**Easy Ageing: Who Needs and Who Wants What Assistance for Well-Being? Demographic, Economic and Social Aspects of Greying Europe**
- Jeroen Wals, Vice-President, Philips Research, NL:  
**An Industrial AAL Vision**
- Holly Jimison, Prof, Department of Medical Informatics & Clinical Epidemiology Oregon Health & Science University, Portland, US:  
**An US Perspective on Research Trends in Technologies for Ambient Assisted Living**

## PLENARIES

Festsaal  
Day 2 (September 30)  
9:00 - 10:30

### Plenary 3: Industrial Round Table

#### AAL Market Developments - Barriers and Carriers

##### Rationale

AAL market developments, its barriers and carriers, will be the focus of the discussion from the different stakeholders perspectives represented in the Round Table panel – the industry, small and large, the insurance organization, and the public buyers. What is needed for an AAL market development, “the take up” of AAL solutions, tools and services? What is hindering up-scaling of existing solutions? These and other questions will be tackled in the Round Table. The Round Table participants represent a vast experience in the field of R&D, technology developments, industry and market considerations, social innovations, and the financial reality in public procurement. There will be possibilities for the Forum participants to raise questions to the Round Table panel.

##### Target group

- all

**Moderator:** Peter Saraga, Chair of the AAL Advisory Board, UK

##### Participants

- Alexander Kollreider, General Manager, Tyromotion, AT
- Henning Seiding, Director of Welfare Technologies, Odense, DK
- Irina Odnoletkova, Innovation Manager, Independent Health Insurance Funds, BE
- Jan Muehlfeit, Chairman of Microsoft Europe
- Ulrich Behner, CTO, Robert Bosch Healthcare, DE

## PLENARIES

Festsaal  
Day 3 (October 1)  
13:00 - 14:00

### Plenary 4: Closing - Focus for the Future

#### Rationale

The chair of the FORUM Committee, Reinhard Goebel, will summarize some of the most important features of the Forum: what were the expectations, what was the reality.

The future vision will be outlined by Paul Timmers, Head of Unit EC DGInfo. He will give some reasoning around what he believes will happen in the future and also around the AAL Joint Programme.

What the AAL Programme itself will focus in is to be discussed by the recently elected new AAL JP President.

The session will close with a short presentation by Claus Nielsen and Henning Seiding, DK, who will invite you to the next AAL FORUM in Denmark, Odense.

#### Target group

- Researcher, Technology developers
- Service providers
- Funding Agencies/Programme Managers
- Policy Makers, etc.

**Chair:** the new AAL President

#### Speakers

- Reinhard Goebel, FC chair, AT
- Paul Timmers, Head of Unit, DGInfo, EC
- New AAL President
- Claus Nielsen, Henning Seiding, AAL FORUM 2010 DK



## TRACK 1: THE AAL JOINT PROGRAMME

Zeremoniensaal  
Day 1 (September 29)  
16:00 - 17:30

### Session 1: AAL Projects

#### Rationale

The First call of AAL Joint Programme, titled "ICT based solutions for Prevention and Management of Chronic Conditions of Elderly People" was launched in 2008. In this session, 6 projects that were selected for funding in this first call shall briefly present their projects

#### Target group

Industry representatives, service providers, research community, end-user organizations, consultants, any organization that is potentially involved in an AAL project consortium

**Chair:** Silas Olsson, Central Management Unit of AAL Association, SE

#### Speaker and Topic

- Dimitrios Tzovaras, Informatics and Telematics Institute (ITI), Center for Research and Technology - Hellas (CERTH), GR and Jesús Salazar, SIEMENS, ES:  
**Remote health and social care for independent living of isolated elderly with chronic conditions (REMOTE)**
- Paul J.M. Havinga, Pervasive Systems Research Group, University of Twente, NL:  
**Inertial Sensing Systems for Advanced Chronic Condition Monitoring and Risk Prevention (IS-ACTIVE)**
- Fiorella Marcellini, Research Department, INRCA (Italian National Institute on Aging), IT:  
**A Home based approach to the Years of ageing (HAPPY AGEING)**
- Didier Stricker, German Research Center for Artificial Intelligence (DFKI) GmbH, DE:  
**Physical Activity Monitoring for Aging People (PAMAP)**
- Wolfgang Zagler, forttec, Vienna University of Technology, AT:  
**Domestic robot for Elderly Assistance (DOMEO)**
- Martin Litzenberger, Austrian Institute of Technology, AT:  
**Safe Private Homes for Elderly Persons (CARE)**

## TRACK 1: THE AAL JOINT PROGRAMME

Zeremoniensaal  
Day 1 (September 29)  
11:00 - 12:30

### Session 2: AAL JP Participation rules

#### Rationale

The AAL Joint Programme is a new type of R&D funding programme in Europe. It is based on joining the activities of its partner states on the theme of Ambient Assisted Living which is supported by a financial contribution of the EC through the article 169 of the Treaty.

AAL Joint Programme has some characteristics that make it different from other European initiatives that are addressing the questions of demographic ageing:

1. AAL aims at launching R&D activities that have a 2-3 years time to market, it tries to fill the gap between research activities and market introduction of new products, systems and services.
2. AAL emphasizes the role of end-users and especially older persons as active participants in the projects.
3. AAL stresses the importance of market analysis and business model development in the projects in order to boost market introduction of new products, services and systems that are being developed.

The session focuses on the participation rules of the AAL Joint Programme and the specific requirements of business models and end-user involvement

**Chair:** Pekka Kahri, Tekes – Finnish Funding Agency for Technology and Innovation, FI

#### Speaker and Topic

- Pekka Kahri, Tekes, AAL NCP Finland, FI:  
**Framework for Business models in AAL**
- Maja Arnestad, Programme co-ordinator IT Funk (ICT for the disabled), AAL NCP Norway, NO:  
**Framework for End-user involvement in AAL**
- Gerda Geyer, FFG - Austrian Research Promotion Agency, AAL NCP Austria, AT:  
**AAL rules for participation, eligibility and evaluation criteria**

## TRACK 1: THE AAL JOINT PROGRAMME

Zeremoniensaal  
Day 2 (September 30)  
14:00 - 15:30

### Session 3: Healthy Ageing

#### Rationale

The ageing population poses a great challenge to Europe's economic and social development. As people will live longer and longer it is of paramount importance, that costs for medical and social care will not explode and that individuals can enjoy their life in good health as long as possible.

Healthy Ageing is one of the keys to an independent life in good quality – and thus it partly overlaps with Active Ageing, the next session's subject.

What exactly do we mean by Healthy Ageing? Despite the fact, that there is no „official“ definition, most characterizations of Healthy Ageing centre on the same ideas. A good example can be found on a website belonging to the Australian government<sup>1</sup> : „Healthy ageing describes the ongoing activities and behaviours you undertake to reduce the risk of illness and disease and increase your physical, emotional and mental health. It also means combating illness and disease with some basic lifestyle realignment that can result in a faster and more enduring recovery.“

A closer look reveals a number of topics<sup>2</sup> in Healthy Ageing to be addressed, among others

- Retirement and pre-retirement
- Mental health
- Nutrition
- Physical activity
- Injury prevention
- Substance use/misuse (tobacco and alcohol)
- Use of medication and associated problems

But Healthy Ageing not only represents challenges to society and individuals – it also offers opportunities for economic growth based on new technologies, products and services. Challenges and opportunities in Healthy Ageing – this is what we will address and discuss within this session.

**Chair:** Uli Waibel, innovendo, AT

#### Speaker and Topic

- Harriet Finne-Soveri, Head of Aging and Services, National Institute for Health and Welfare, Finland, Adjunct professor in geriatric Medicine at the University of Helsinki, FI:  
**Health and functional capability of older adults**
- Guus Bros, Director Strategicon, NL:  
**Answering the challenges of demographic change on the field of cure and care**
- Péter Hanák, Research fellow at the Dept. of Control Engineering and Information Technology at Budapest University of Technology and Economy (BME), Director of BME's Biomedical Engineering Knowledge Centre (EMT), HU:  
**Technology and innovation challenges for ambient assisted living**

<sup>1</sup> <http://www.seniors.gov.au/internet/seniors/publishing.nsf/Content/Healthy+ageing>

<sup>2</sup> Healthy Ageing project (2004–2007) - co-funded by the European Commission

## TRACK 1: THE AAL JOINT PROGRAMME

Zeremoniensaal  
Day 2 (September 30)  
16:00 - 17:30

### Session 4: Active Ageing

#### Rationale

We live in an information society. Information and communication technologies (ICT) permeate almost every aspect of our lives. They can be powerful tools for bringing people together, adding new value to life and creating new wealth, health, welfare, accounting for a richer and more rewarding professional and social life.

The other side of the coin is that in Europe (and elsewhere) millions of people cannot fully reap these benefits and a significant percentage is effectively cut off from them for a variety of reasons: geographic, social, economic, educational, cultural, physical or cognitive disabilities, age, etc..

Today, older people are estimated<sup>1</sup> to make up close to 20% of the European population or 90 million people. Furthermore, the prevalence of both disabilities and other minor functional limitations is strongly related to age. The ongoing demographic shift in Europe, as a result of a greater life expectancy and decreasing birth rates, will cause a noticeable increase in these numbers over the coming years -- 18% of the European population was aged over 60 in 1990, while for 2030 that percentage is expected to rise to 30%.

There are concerns that the European Social model will be unsustainable with too few working age people able to support the welfare and social security systems providing for older people. The renewed Lisbon Strategy calls for an extension of working life. Additionally, a US-based study<sup>1</sup> found that 60% of working-age adults, aged between 18 and 64, are not likely or very likely to benefit from the use of accessible technology due to mild difficulties and impairments, or to functional difficulties with current technologies.

Adapted from the European Commission Staff Working Paper  
"Extended Impact Assessment of the Commission Communication on eAccessibility"  
(Brussels, Sept/2005)

#### Target group

- Industry representatives, service providers, research community
- end-user organizations, consultants
- Any organization that is potentially involved in an AAL project consortium

**Chair:** Antonio Santos, UMIC - The Knowledge Society Agency, Ministry of Science, Technology and Higher Education Portugal, PT

#### Speaker and Topic

- Heidrun Mollenkopf, AGE - The European Older People's Platform, Chair of the „Universal Accessibility and Independent Living“ Expert Group German National Association of Senior Citizens Organisations BAGSO, DE: **The Various Needs of Older People**
- Anna Pohlmeier, University of Luxembourg & Technical University of Berlin, DE: **Enhancing User Experience of Older Adults**
- George W. Leeson, Deputy Director, Oxford Institute of Ageing, Senior Research Fellow, Dep. of Sociology, University of Oxford; UK: **The perspective of working life and intergenerational relations**



## TRACK 1: THE AAL JOINT PROGRAMME

Zeremoniensaal  
Day 3 (October 1)  
9:00 - 10:30

### Session 5: AAL Projects II

#### Rationale

The First call of AAL Joint Programme, titled "ICT based solutions for Prevention and Management of Chronic Conditions of Elderly People" was launched in 2008. In this session, 6 projects that were selected for funding in this first call shall briefly present their projects.

**Chair:** Michael Huch, Central Management Unit of AAL JP, DE

#### Speaker and Topic

- Luis Pablo del Arbol Perez, Telefonica Investigacion y Desarrollo, ES:  
**Home-based Empowered Living for Parkinson's Disease Patients (HELP)**
- Maria Haritou, Institute of Communication and Computer Systems, National Technical University of Athens, GR:  
**A technology pLatform for the Assisted living of Dementia elDerly INdividuals and their carers (ALADDIN)**
- Minna Isomursu, VTT - Technical Research Centre of Finland, FI:  
**Hear Me Feel Me - Compensating for eyesight with mobile technology (HMFM)**
- Tomas Brusell, Brusell Dental, NO:  
**Development of a non-invasive CAPacitive sensor oral MOUSE interface for the disabled elderly (CAP MOUSE)**
- Heidrun Häfele, Telekom Austria AG:  
**Home sERvices for specialised elderly Assisted living (HERA)**
- John A. Waterworth, Dept. of Informatics, Umeå University, SE:  
**User-Sensitive Home-based Systems for Successful Ageing in Networked Society (AGNES)**

Zeremoniensaal  
Day 3 (October 1)  
11:00 - 12:30

### Session 6: Matchmaking and Networking

#### Rationale

Starting with an overview the main elements of Call 3 of the AAL Joint Programme will be discussed. The goal is to involve the community as much as possible and to come up with first ideas of projects and consortia.

**Chair:** Rafael De Andrés-Medina, AAL Executive Board, ISCIII, ES

## TRACK 2: NATIONAL AND REGIONAL ASPECTS

Festsaal  
Day 1 (September 29)  
16:00 - 17:30

### Session 7: AAL in National Strategies

#### Rationale

Some of the European countries have – parallel to the AAL Joint Programme – their own national programme aiming at the development of innovative and smart ICT/technology for older people and other groups with specific needs like people with disabilities or chronic conditions. Those programmes are initiated from different perspectives varying from technological innovation to improvement of healthcare, scientific development, community building around ageing and technology or strengthening the position of SME's in this particular area.

In this session information will be presented from different national strategies and programmes closely related to the objectives of the AAL JP.

Examples of projects and results on national level will illustrate how the national programmes and the AAL JP can reinforce each other and profit from each other.

#### Target group

Policy makers, civil servants, funding agencies / programme managers, end user organisations, economists, industry and engineering associations

**Chair:** Claus Nielsen, Senior Adviser Medcom, DK

Topic	Speaker
<p><i>Technology perspective</i></p> <p><b>What is the German 'diesel motor' doing in the field of AAL?</b></p> <p>Assistance Systems for older People - a central funding topic of the German Ministry of Education and Research</p>	<p><b>Joachim Russ,</b> Senior Consultant, Federal Ministry of Education &amp; Science, DE</p>
<p><i>Scientific/academic perspective</i></p> <p><b>France as the knowledge centre where we can install and steal the knowledge about Ageing &amp; Technology?</b></p> <p>France's strategy to support the development and implementation of innovative ICT for assisted living</p>	<p><b>Patrick Schouler,</b> Ass. Executive Director, French Ministry of Economic Affairs, Industry &amp; Employment, FR</p>
<p><i>Service innovation perspective/health and social perspective</i></p> <p><b>What is the Nokia country doing next?</b></p> <p>How to reshape health &amp; social services through innovation?</p>	<p><b>Juha Teperi,</b> Head of Finnish Service Innovation Programme, Ministry of Social Affairs &amp; Health, FI</p>
<p><b>Prosciutto San Daniele, glass art or AAL: what is the future growth strategy for the region Friuli-Venezia Giulia?</b></p> <p>Quality of life at home, policies, networks and technologies the regional experience of a crossborder Region, Friuli Venezia Giulia</p>	<p><b>Giulio Antonini,</b> Expert Consultant, Community Welfare R&amp;D Department, Palmanova, IT</p>

## TRACK 2: NATIONAL AND REGIONAL ASPECTS

Festsaal  
Day 2 (September 30)  
11:00 - 12:30

### Session 8: Intelligent Solutions: How to Save Time and Costs

#### Rationale

Countries participate in AAL with different backgrounds and objectives. For some countries an important driver is the economic opportunity for their national companies, others are especially interested in the possibilities of e-health and telecare. Some want to close the gap between digital development and older people, others expect ICT/technology to solve the future workforce problems.

This session is organised around the "Laboursaving effects" of ICT innovation, very important when looking at a growing older population and decreasing numbers of young people to serve them or take care off them.

Nevertheless, the laboursaving objective is quite a sensitive issue. What will it mean for the quality of care or the quality of work, the interpersonal relations? Is it (cost)effective, can that be measured adequately, is it worth the investment?

#### Target group

Policy makers, civil servants, funding agencies / programme managers, end user organisations, economists, industry/engineering associations

**Chair:** Thomas Børner, Senior Adviser at the Ministry of Finance, Denmark,  
Chair of the Danish Labour Saving Technology Fund, DK

Topic	Speaker
<b>Telecare in the NHS</b> Implementing Telecare: Evidence from the UK	<b>Jane Hendy,</b> Research Fellow Health Management Group, Imperial College Business School, UK
<b>Long term care in The Netherlands</b> Laboursaving interventions in long term care: lessons learnt in The Netherlands	<b>Barbara v/d Linden,</b> Head of Implementation dept. ZonMw, Netherlands Organisation for Health Research & Development, NL
<b>Welfare technologies in Denmark</b> Danish initiative on labour saving technology – looking for intelligent solutions	<b>Nanna Skovgaard,</b> Head of Division, Agency for Governmental Management, Ministry of Finance, DK  <b>Claus Nielsen,</b> Senior Projectmanager, Medcom, DK

## TRACK 2: NATIONAL AND REGIONAL ASPECTS

Festsaal  
Day 2 (September 30)  
14:00 - 15:30

### Session 9: Programme benefit: Launch of the Fifth Call for Proposals

#### Rationale

The Session is designed to give insight into the genesis, the implementation and the thematic background of programme benefit and its focus "ICT based Solutions for Advancement of Active Ageing".

Similar to the WHO definition of active ageing the Austrian programme benefit defines **Active Ageing** as a process which enhances the quality of life of the individual by reaching the maximum access to **participation / social integration, security and health**.

Thematic clusters are:

- Social inclusion (including information, creation of networks,...)
- Activities within and outside the home environment (including tourism, fitness, ...)
- Comfort and security (including smart homes, ...)

Various aspects of the living situation of older people in Austria and other European countries will be outlined on the basis of the SHARE project.

Project examples will illustrate the different thematic clusters within the focus of the call.

#### Target group

- Researcher, Technology developers
- Service providers
- Funding Agencies/Programme Managers
- Policy Makers
- The Austrian benefit / AAL community

**Chair:** Gerda Geyer, Austrian Research Promotion Agency, AT

#### Speaker and Topic

- Kerstin Zimmermann, Austrian Federal Ministry for Transport, Innovation and Technology, AT:  
**The Strategic Interplay between AAL JP and Programme benefit**
- Emmanuel Glenck, Austrian Research Promotion Agency, AT:  
**Thematic Programmes and the European Dimension**
- Isabella Buber-Ennser, Vienna Institute of Demography, AT:  
**The Living Situation of Older People in Austria compared to other European Countries**
- Gerda Geyer, Austrian Research Promotion Agency, AT:  
**The Fifth Call for Proposals**
- Ingmar Goetzloff, BEKO, AT:  
**Project VITASMART**
- Christian Menard, FH Technikum Kärnten, AT:  
**Project Health@Home**



## TRACK 2: NATIONAL AND REGIONAL ASPECTS

Festsaal  
Day 2 (September 30)  
16:00 - 17:30

### Session 10: End-user Involvement

#### Rationale

The involvement of end users is a big issue in the AAL JP - and for good reasons. AAL solutions have to be 'wanted' by older people and their families and also by the carers or service providers that are supposed to work with the solutions or the organisations who have to provide or finance them. The average ICT-solutions designer – being a (relatively) young technical oriented man – in general has no clear insight in the needs of older people. And although general studies on needs and wishes of older people can definitely give insights and directions, it is not sufficient. Only the real involvement of the different types of end-users can realise real solutions. Special attention is needed, when solutions for people with cognitive impairments like dementia are developed.

In the successive stages of the designing process, the role of end-users will differ; varying from expressing needs to testing usability and assessing usefulness of solutions. In all phases serious involvement of end-users can highly contribute to the quality of the solutions and the marketability and implementation of the products and services.

#### Target group

This topic is relevant for all visitors of the AAL Forum

**Chair:** Barbara van der Linden, ZonMw, NL

Title of programme / project	Speaker
<b>Methods of End User involvement</b> Encouraging user involvement of older people in technology, including users with cognitive impairments, an overview of end user groups and methods	<b>Sidsel Bjørneby</b> , Consultant/ occupational therapist LTD.Geria, NO
After this presentation, there will be a carousel of projects and examples of ways to involve end users in the development of ICT products and services.	
<b>www.50plusnet.nl</b> Social networking: success and fail factors of 50plusnet, an internet based community for older people	<b>Beppie Spruit</b> , Coordinator E-Health, Netherlands Institute for Health Promotion (NIGZ), NL
<b>Living Lab Schwechat for old persons and assistive technologies</b> Involvement of older people in R&TD for assistive technologies	<b>Walter Hlauschek</b> , managing director of CEIT RALTEC, AT <b>Paul Panek</b> , CEIT, planning/implementation of Living Lab Schwechat, AT
<b>Requirements for user involvement</b> Innovation for succesful ageing	<b>Margrit Bossart</b> , Swiss Senior Council, CH
<b>USEM - a training model for involvement of end users in innovative technological solutions</b> Rolls of users in research and development projects	<b>Luc de Witte</b> Professor Technology in Care, Zuyd University Heerlen, NL <b>Matthijs Soede</b> , Senior researcher, Vilans, NL

## TRACK 2: NATIONAL AND REGIONAL ASPECTS

Festsaal  
Day 3 (October 1)  
9:00 - 10:30

### Session 11: Ethical Issues in AAL

#### Rationale

In AAL technologies a lot of questions present themselves concerning ethical issues. As always, issues like safety and reliability of systems, privacy regarding entry to and exchange of data are at stake, who are debated for long time already. Smart surroundings, constant monitoring of different body functions or activity levels can help to save people in urgent situations, but it also can keep people under constant surveillance.

What does this mean for people and how does it affect their lives and relationships? What do telecare solutions mean for the quality of care, for personal contact, for the quality of work. How to act if people are not able to give informed consent? How can the dignity of older people be guaranteed. How does the use of smart technology affect personal relations with family and friends. What is the effect of living in 'your own little hospital at home'?

The debate about these issues has hardly begun. The AAL Forum is one of the places to start these discussions on a European level, to identify the issues that are relevant to take into consideration, not only theoretically but very practical in the development and use of applications, in the AAL programme itself.

#### Target group

This topic is relevant for all visitors of the AAL Forum

**Chair:** Antonio Mendes dos Santos, Portugese Ministry of Science, Technology and Higher Education, PT

Titel of Programme / Project	Speaker
<b>Robotics</b> ,Mechanical love'; entering robots in elderly care	<b>Lone Gaedt,</b> Senior consultant/ physiotherapist Centre of Robot Technology, DK
<b>Ambient Intelligence</b> Ambient Intelligence; ethical issues in applying ambient intelligent systems in health and care	<b>Jan Gerrit Schuurman,</b> Professor, University of Lincoln, NL <b>Michiel Besters,</b> Researcher, Rathenau Institute, NL
<b>Older end-users involvement</b> Ethical dimensions in the involvement of older end users in technology R&D projects	<b>Marjo Rauhala,</b> Researcher, University of Vienna, AT

## TRACK 2: NATIONAL AND REGIONAL ASPECTS

Festsaal  
Day 3 (October 1)  
11:00 - 12:30

### Session 12: ICT solutions: Do we want it, can we use it, will we buy it?

#### Rationale

In all European countries older people have a (relatively) big distance to ICT and technology. This is partly due to the lack of adequate ICT solutions, on the other hand, it is caused by unfamiliarity of older people with the (added) value of new technology or due to fear for technology, fear of trying, fear of failing.

In the AAL programme we will work on designing ICT solutions who respond to needs and wishes of older people, on improving the usability and the user friendliness of technology devices and systems. But next to that, impulses are needed to 'seduce' older people to use new technology, to inform them about the possibilities, to overcome their resistance and to make them familiar with it so they can optimally profit from solutions that can substantially improve independence, participation and quality of life. Policies and activities targeting at 'older people befriending technology' is typically a challenge for national, regional and local levels. In different countries, 'befriending technology' is part of national strategies, inspired by different backgrounds and visions. In the session, national strategies and activities from different angles will be presented, exemplified by some (successful) projects.

#### Target group

Policy makers, funding agencies / programme managers, researchers, technology developers, service providers, marketing and business development professionals, end user organisations

**Chair:** Anne Sophe Parent, director of the European Age Platform, BE

Topic	Speaker
<b>Older people and technology</b> DaneAge An online study about the attitude of older people towards different types of new technology	<b>Olav Felbo,</b> Political coordinator Daneage, DK
<b>Education perspective</b> The Portuguese E-inclusion strategy and the emphasis on education	<b>Luis Magalhaes,</b> President of the Knowledge Society Agency, Ministry of Science, Technology and Higher Education, PT
<b>Empowerment perspective</b> Users and Technology: How to apply the technology	<b>Antonio Remartinez,</b> Director Ibernex, ES
<b>Intergenerational approach</b> Kids as teachers	<b>Rahel Tschopp,</b> Teacher special education, CompiSchule, CH

## TRACK 3: INNOVATION AND ECONOMY

Rittersaal  
Day 1 (September 29)  
16:00 - 17:30

### Session 13: Economic Impact of Demographic Change

#### Rationale

The European population is growing older and older. Today the median age of the European population is 40 years and will increase to 47 years in 2050. Today the 20 to 64 years old make up for approximately 64% of the whole population and the over 65 cover 17%. In 2050 it is estimated that the 20 to 64 year old will decrease to 55% of the population and the 65 + will increase to 28%. In other words today there are four people to 1 and in 2050 this relationship will change to two people to one. Thus the number of elderly people respectively the number of elderly consumers will rapidly increase in the near future.

Considering the enormous buying power the age group over 50 years already has today, this is estimated to be approximately half of the whole buying power of the industrialized world, there is an enormous market potential developing for this age group in the years to come. How can industry and society meet this increasing demand? Can we describe the particular needs of this age group? What is the consumer behavior of this age group? How can innovation be conveyed and what design standards do we have to allow for to satisfy this age group? All questions which will be discussed in the first of three short lectures in this session. However, as great as the market potential for the future seems, it is very important also to look at the development of the financing power of this age group.

Today employees are normally pensioned off with 65. There are still 4 working employees to one pensioner. As mentioned above, this relationship will decrease rapidly. Does this demographic change influence the buying power of the European elderly population in future? If so, what needs to be done to meet these changes? Similarly, municipalities which are responsible for their citizen, have to develop strategies to cater for this demographic change, especially for those who need care. What are these strategies and how can they be financed? All questions which will be discussed in the second short lecture. To meet the increasing demand arising from the demographic change, policies, new regulations and laws, changes in tax systems, promotional programs etc. need to be developed on Regional, National and European level. What are these? The third short lecture in this session, will elaborate on these questions.

#### Target group

Researcher, Technology developers, service providers, policy makers

**Chair:** Ulrike Schneider, Director of the Institute for Social Policy,  
University of Economics and Business, Vienna, AT

#### Speaker and Topic

- Peter Enste, Institut Arbeit und Technik, Fachhochschule Gelsenkirchen und Ruhr-Universität Bochum, DE:  
**Silver Markets**
- Bernd Schips, Former Head of KOF ETH-Zürich, Consultant of the Innovation Center of the University for applied sciences St.Gallen, CH:  
**Demographic development and economic perspectives**
- Laura Romeu Gordo, Deutsches Zentrum für Altersfragen, DE:  
**Future policies for meeting the demand arising from demographic change**



## TRACK 3: INNOVATION AND ECONOMY

Rittersaal  
Day 2 (September 30)  
11:00 - 12:30

### Session 14: Business Models

#### Rationale

In Europe the environment of national health care and social security systems is rather heterogeneous. This hinders the development of common (European) business models and a common market for AAL solutions. Currently, reimbursement schemes in most countries do not encourage the adoption of technological innovations in these systems and provide no clear perspective to link investments and revenues/savings for adopters. Investors and developers have to deal with a wide variety of welfare, healthcare and care systems in European countries. Each of these systems provides a complex legal and regulatory basis which restricts or encourages the use of AAL technology in the public healthcare and care services in specific ways. In both the more regulated markets of healthcare/care and the consumer-oriented private markets the lack of visible value chains is obvious. The complex structure of the developing AAL markets and the lack of market information and visible value chains, make it difficult for SME or Entrepreneurs to develop possible business strategies and evaluate the future market potential in this sector. To foster the market-entry and participation of (innovative) SME and Start-up-companies in this important (technology and service oriented) market segments is important to foster innovation and deployment in the whole AAL ecosystem. The session aims to describe possible business models, provide information on the „ageing market“ and present successful examples from the SME sector.

#### Target group

- Marketing and business development professionals
- SME
- Economists
- Policy makers

**Chair:** Juan Carlos Castrosin Gutierrez, PI&PI, Member of the AAL Advisory Board, ES

#### Speaker and Topic

- Hubert Oesterle, University of St. Gallen, CH:  
**Business Models in Independent Living**
- Peter Rumm, FutureCamp GmbH, DE:  
**Business Lessons from the Persona Project**
- Peter Levene, Business Developer at Docobo Ltd., UK:  
**An SME in the ICT and Ageing-market**
- Nissim Darvish, Pitango Venture Capital, IL:  
**An investment perspective on business opportunities in AAL**

## TRACK 3: INNOVATION AND ECONOMY

Rittersaal  
Day 2 (September 30)  
14:00 - 15:30

### Session 15: User Driven Innovation

#### Rationale

It is difficult to find openly stated opposition to the concept of end-user involvement but studies suggest that although there is support for the concept in theory, end-user involvement can be ignored if deemed appropriate. End-users are mainly located within the testing and trial phases of technology development and post market surveillance. However they are noted to be largely absent from the concept and design phases. Reimer-Reiss (1999) demonstrated in their studies on assistive devices that failure to adopt a user-centred approach was associated with poor device usage and adoption. To distinguish itself from other R&D programmes the AAL JP has embarked on a strategy that aims to address the older person as a holistic being. If the AAL JP is to make an impact on the diffusion of the outcomes of its R&D investment programme then there must be a shift away from this linear model of innovation. A newer approach to one which recognizes that all innovation, if it is to be successful involves the user from design right through to domestication into everyday life. The concept of 'userinnovation' is gaining increasing attention in business and innovation management circles. Examples of user-innovation can be found in a number of sectors including the scientific and medical instruments, the software and the sporting communities. Lead users are key to user-innovation because as those who experience demand ahead of the market, they can and often act as developers of new and improved products as well as 'early adopters'. Recognizing this potential in users is fundamental to and underpins a 'needs-related' product and service development framework. Manufacturers, researchers and developers can then harness and shape user innovation to their own ends and not vice versa.

#### Target group

- Industry/Policy makers
- End user organisations/Third sector organizations

**Chair:** Manfred Tscheligi, Managing Director and co-founder of CURE, Prof. Human-Computer Interaction & Usability, University of Salzburg, AT

#### Speaker and Topic

- Onny Eikhaug, Programme Leader, Design For All Norway, NO:  
**Design for all: People-Centred Innovation**
- Jane Clemensen, Vice-president of the Board of Danish Association of Telemedicine, DK:  
**User centred design initiatives in Denmark**
- Richard Curry, Scientific Advisor to the Department of Health, Independent Consultant specialising in Telemedicine and Telecare, UK:  
**How is the UK stimulating user-driven innovation?**

## TRACK 3: INNOVATION AND ECONOMY

Rittersaal  
Day 2 (September 30)  
16:00 - 17:30

### Session 16: AAL as a Chance for Innovation

#### Rationale

In the face of unprecedented longevity, the challenge for society is to understand and plan for how best to enable older adults to age well, maintain their personhood and their place as members of society. The convergence of an ageing population with today's availability of advanced technology is an opportunity to innovate and to think differently about how we live throughout the life span. The home is the primary platform for much of life's activities influencing health, wellness, well-being, independence and safety as we age. Sometimes though, technology seems an attractive option when we are faced with an improvement challenge. However it is understood that technology is not a panacea for the skills we lack or for every improvement issue we encounter. The AAL JP aims to catalyse creativity in exploiting technology to provide not only products but services that are both needed and desired to enhance the lives of older people among member states. It recognizes that technology is a tool that complements abilities and has the potential to allow our ageing population to do more and become more productive.

It is in recognition of the older adult as a person first and foremost that the AL JP addresses the investment in supporting research and development for ambient assisted living from a holistic point of view. In this track we address innovation within the AAL JP from a number of perspectives. How can we generate creativity and innovation from the older person's perspective, from the perspective of family and carers, as well as that of business. This programme aims to distinguish itself from a myriad of other research and development ageing programmes through its ability to challenge the various disciplines and sectors to innovate in the psycho-social, sociocultural and physiological realms in pursuance of the old adage, live long and live well

#### Target group

- Policy makers/civil servants/Funding bodies
- Industry/Economists
- older adults/Health care professionals

Chair: Urs Guggenbühl, FHS St. Gallen, Hochschule für angewandte Wissenschaften, CH

#### Speaker and Topic

- Terry Young, Chair of Healthcare Systems, School of Information Systems, Computing and Mathematics Brunel University, UK:  
**Innovation in Healthcare: Key Challenges and Opportunities**
- Madeleine Starr, Strategic programme Manager, Carers UK, UK:  
**AAL Innovating for family and carers**
- Dirk Elias, Executive Director Fraunhofer Portugal Research Center for Assistive Information and Communication Solutions, PT:  
**What is wrong with AAL?**

## TRACK 3: INNOVATION AND ECONOMY

Rittersaal  
Day 3 (October 1)  
9:00 - 10:30

### Session 17: Standards and Interoperability

#### Rationale

Standardisation is a prerequisite for a broad deployment and use of ICT, and will trigger and enable new business. The ICT standards community is characterised by a large number of standards bodies and indeed a large number of different types of activity, spanning over a wide spectrum ranging from the infrastructure, represented by the Internet and basic communications standards to the content standards. "It is commonplace to state that ICT standards are (or should be) global, indeed to state that "regional" standards have no place." If anything, ICT standardisation is becoming more critical an issue. This is particularly true in the context of AAL Technologies. There are many different subjects for AAL Technology standards, for example, hardware, technologies, software, interfaces/ architectures, processes, services, data, content, etc. Each may require a different approach, or involve different actors and methods. Establishing such standards economizes on co-ordination costs, creates an integrated market with economy-of-scale advantages and helps to build trust in quality of devices and services, where error-free functioning can be critical to the individual. Another approach to achieve the necessary interoperability is certification on product level. Here the Continua Health Alliance – a industry-driven global consortium – has taken first steps and established design guidelines and a product certification process for health and medical devices. Another important sector where interoperability is crucial is the Smart Home. Here a wide range of different services and application - provided remotely or existing solely within the home environment - are connected for creation of information or data, its processing, aggregation, understanding, delivery, actions based on information received and display to some user or operator. In the end service delivery and home based applications are to be operated independently of underlying technology.

#### Target group

- Researcher, Technology developers
- Suppliers/Vendors/ Service Providers
- Industry and Engineering Associations
- Standardisation bodies

**Chair:** Jeroen Wals, Philips, Member of AAL Advisory Board, NL

#### Speaker and Topic

- Ger van den Broek, Senior Scientist, Philips Healthcare, NL:  
**Overview of Standardisation in Ambient Assisted Living**
- Chuck Parker, Executive Director, Intel/Continua Health Alliance:  
**Certification activities in the Continua Health Alliance**
- Marco Eichelberg, Head of Working Group "Interoperability", OFFIS / VDE AAL Germany, DE:  
**Interoperability in AAL**
- Ad van Berlo, Manager R&D, Smart Homes, NL:  
**Interoperability in Smart Homes**

## TRACK 3: INNOVATION AND ECONOMY

Rittersaal  
Day 3 (October 1)  
11:00 - 12:30

### Session 18: Trends and Roadmapping in AAL

#### Rationale

In recent years, the European Commission and European member states have made considerable investments in ICT and ageing research in the Framework Programme, the AAL Joint programme and national initiatives. Similar approaches have emerged in other geographical regions, e.g., Australia, Canada, Japan and the United States. Further research needs to build on these results and be guided by a trends assessment and roadmaps which provide an extended look at the future of active ageing and ageing well in the information society. This requires co-action between various technology areas and innovative technology approaches. Information and knowledge about mid-/long-term R&D perspectives will be crucial for defining future R&D steps on the way to Ambient Assisted Living.

Through development of a shared vision and RTD roadmaps by main stakeholders, vital needs not just for R&D actors but also for other stakeholder will be served. Public Health Authorities can gain insight in future development affecting their spheres of action, second and third level potential suppliers for AAL applications can realise challenges ahead. Several ongoing and soon to be completed FP7 roadmapping projects – AALANCE, CAPSIL, ePAL, SENIOR – have addressed different and complementary perspectives of ICT and ageing.

The session will present their approaches towards a comprehensive vision and strategic roadmaps, thus overcoming the fragmentation that has plagued the previous era of ICT and ageing. In the end, these activities will provide strategic guidance for short-, mid- and long-term R&D approaches in the AAL context – for future Framework Programmes, the AAL Joint Programme and national policy makers.

#### Target group

- Researcher, Technology developers
- Service Providers
- Funding Agencies/Programme Managers
- Policy Makers

**Chair:** Christian Wehrmann, Project Manager at VDI/VDE-IT and Member of the AAL Forum Committee, DE

#### Speaker and Topic

- Filippo Cavallo, Researcher, SSSA, IT:  
**The AALANCE Roadmap**
- Ben Knapp, Head of CAPSIL Executive, Queen's University Belfast, UK:  
**CAPSIL project**
- Emilio Mordini, Project Coordinator, Centre for Science, Society and Citizenship, IT:  
**SENIOR project**



## WORKSHOPS

Radetzky II  
Day 1 (September 29)  
9:00 - 12:00

### W1: Workshop for Young Researchers and PhD

#### Rationale

The Young researcher and PhD workshop offers a great opportunity to meet other young researchers from Europe and to learn more about the variety of projects dealing with the investigation of technical solutions for older adults. It will be a unique chance to present ideas, designs and results of research studies and to discuss the projects with other students and young investigators under senior scientist's supervision. Especially the interdisciplinary approach within various disciplines (geriatrics, engineering, architecture, informatics, psychology, sociology, nursing sciences, economics, etc.) will enrich the spectrum. These contacts will be very important for future collaborations and projects but also offer the possibility to create networks for gaining new knowledge and mutual support. The event is a kick-off activity for further workshops within the AAL Forum offering a continuous reflection on the topic and giving the possibility to report progress in work and ideas. One intent keeping contact is initiating an online discussion platform after the workshop.

Concerning the procedure in the workshop all participants will be asked in the beginning to introduce their posters to the plenum in a short power point presentation (2 minutes, max. 2 slides) followed by a tour through the posters with discussion (participants are recommended to choose posters according to their interest). 3 senior scientists (engineering, informatics and psychology) will give a short introduction and assistance during the free poster survey which is closed by a plenary discussion and summary.

#### Target group

Scientists, engineers, service providers, funding agencies / programme managers, policy makers

**Chair:** Ilse Kryspin-Exner, Faculty of Psychology, University Vienna, Austria

Supported by

- Helmut Hlavacs, Department of Distributed and Multimedia Systems, University of Vienna, AT
- Wolfgang Zagler, fortect, Vienna University of Technology, AT

#### POSTERBLOCK A - MONITORING FOR INDEPENDENT LIVING

Name	Title / Project
Bordoni, Falavigna, Tomasi	Casattenta
Floeck Martin	Paul (Personal Assistant Unit for Living)
Hamilton Peter	Monitoring / CARE Project
Matolin Daniel	3D surveillance system / CARE Project
Helfenbein Tamas	Fall detection / Netcarity Project
Heine Thomas	Modern motion system development / BZAKA-IKTI
Jagos Harald	fall prevention/detection / E-Shoe
Oberzaucher Johannes	Extramural Gait analysis with an in-shoe measurement system
Storf Holger	EMERGE
Yin GuoQing	sensors, system learns user behavior / PhD study in Project ATTEND
Konstantinidis Evdokimos	ICT for independent living

## WORKSHOPS

Lazelberger Erich	Master thesis Camera System for personal safety
Nieke Philipp	Interoperability in AAL: standardization of sensor-data based on Iso/IEEE 11073 / Bachelor Thesis

### POSTERBLOCK B - AAL & CARE

Aquilano Michela	AAL solution for nightmonitoring in nursing homes / Alzheimer-Mantova Project
Ingema Team	Tele-monitoring tools for the improvement of assistance in Alzheimer's disease / MIND: Multidisciplinary approach among the Alzheimer's disease
Nijhof Nienke	Monitoring / Dementia and Technology
Konstantinidis Evdokimos	ICT for independent living
Hägglund Maria	Exploring patient-centred ICT support to support homecare - VIPPA
Kaiser Iris	Gerontechnological Aspects in Health Care: on the example of patient controllers for deep brain stimulation / Benefit Project
Gonzalez Jorge Cancela	Multimodal cordless interface to control a domotic robot in a personal area network. Control by voice, bluetooth remote and cell phone / PERFORM
Van,t Klooster Jan Willem	On the requirements elicitation for home care ICT services / Home Care ICT Services
Storf Holger	EMERGE
Toth Andreas	Personal Electronic Nurse - Medical Monitoring System / PhD study
Ungarn Team	ICT for independent living / Silvergate-112 project

### POSTERBLOCK C: SOCIAL INCLUSION AND ENHANCEMENT

Lilgenau, Sack	AMASL: Ambient Assisted Shared Living for the Elderly
Lablans Martin	AAL box: improving social interaction of the elderly
Soutschek Stefan	InformARTik: Technology, Art and Communication / Fit4Age
Spiegel Werner	Speech Controlled Home Assistance System for elderly people / Fit4Age
Törne Mari	Liberty and absence of grounds for disqualification in life - safe and changeable kitchen
Oppenauer Claudia	Technology Acceptance in old age on the example of internet use / PhD study
Zakraoui Jesi	Agent Assisted Web Accessibility Enhancement for Ageing Population / PhD study
Krukowska Marta	E-Mail work flow management for the aging workforce / PhD study
Conci Mario	Mobile phone acceptance by older people: building and validation of a theoretical model / EMERGE
Salminen Juho	Applying collective intelligence for idea evaluation at the front end of innovation / PhD study

## WORKSHOPS

Radetzky I  
Day 1 (September 29)  
9:00 - 12:00

### W2: Workshop on Serious Games for Active Ageing

#### Rationale

In this workshop we would like to cover both the research and market trends for cognitive exercise games - giving the workshop participants an opportunity to have hands on experience with some of the systems.

We will set the background on Cognition & Aging with a review of the literature on Effectiveness and provide an overview of Commercially Available Systems.

#### Target group

- Researcher, Technology developers
- Service Providers
- Funding Agencies/Programme Managers
- Policy Makers

**Chair:** Holly B. Jimison, Department of Medical Informatics & Clinical Epidemiology, Oregon Health & Science University, Portland, US

#### Speaker and Topic

- Holly Jimison, Oregon Health & Science University, US:  
**Background on Computer Games for Cognitive Exercise**
- Alvaro Fernandez, Smart Brains, US:  
**Video Review of Commercially Available Systems**
- William Hatt, Oregon Health & Science University, US:  
**Hands-On Demonstrations of Systems**
- Holly Jimison, Oregon Health & Science University, US:  
**Monitoring Cognitive Performance with Computer Games Technology for Cognitive Health Coaching**
- Alvaro Fernandez, Smart Brains, US:  
**Video Review of Market Trends for Cognitive Games**
- Holly Jimison, Oregon Health & Science University, US:  
**Research Trends for Cognitive Games**

## WORKSHOPS

Radetzky III  
Day 2 (September 30)  
12:00 - 14:00

### W3: Business Plans

#### Rationale

Business models are the main success factor for new enterprises in the AAL area. In this Workshop we will try to forward guidelines to develop business models for AAL solutions. Experience shows that the focus in AAL projects is usually much more on the technical development, rather than on the market respectively on the user. However it is the user, who defines the success of the product. A business model looks at the needs of the market respectively the user and puts forward a value proposition - a unique offering to the customer, a value chain, which defines the value of a product at each activity in the chain of development and a process how to earn money, so that the company which produces and offers the product can sustain itself.

The workshop will elaborate on the question, why do we need business models for AAL solutions, what is the thinking behind successful business models and how do we develop business models. The audience will be participating in setting up business models for particular AAL products respectively solutions.

#### Target group

- Researcher, Technology developers
- Service Providers
- Funding Agencies/Programme Managers
- Policy Makers

**Chair:** Urs Guggenbühl, FHS St. Gallen, Hochschule für angewandte Wissenschaften, CH

#### Speaker and Topic

- Chris Flim, CEO Flim P&C, NL

## EXHIBITION

Galerie  
Day 1 - Day 3  
Sept. 30 - Oct. 1

### Exhibition

#### Rationale

The exhibition accompanying the conference provides institutions, companies and projects with the opportunity to present their services and products in the field of active and independent ageing. A hands-on area invites visitors to try out interactive games for the elderly. Ambient Assisted Living means life in a supportive environment. The central theme of the exhibition shall be the technical design of the home through ICT to promote independence of the older persons as well as communication with the social environment.

#### Target group

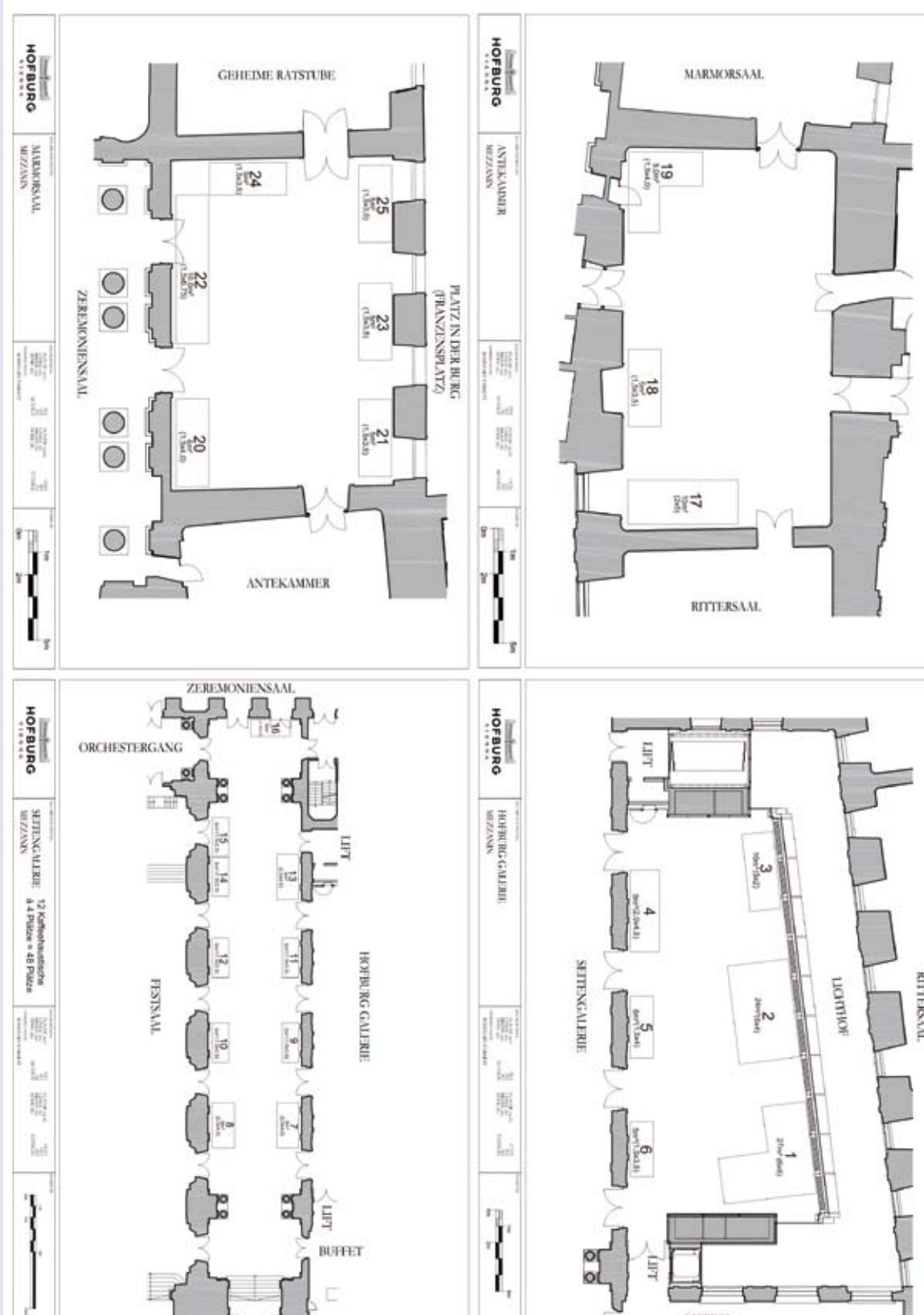
End users, industry, care organisations

**Chair:** Wolfgang Zagler, Vienna University of Technology, AT

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EXHIBITION





## POSTERSESSION

Festsaal  
Day 1 - Day 3

### AAL Projects

1. HELP
2. IS-ACTIVE
3. HAPPY AGEING
4. PAMAP
5. ALADDIN
6. HERA
7. BEDMOND
8. HMFm
9. H@H
10. HOPE
11. ROSETTA
12. AMICA
13. AGNES
14. REMOTE
15. RGS
16. CARE
17. eCAALYX
18. CCE
19. CAP MOUSE
20. EMOTION-AAL
21. SOFTCARE
22. A<sup>2</sup>E<sup>2</sup>
23. DOME0

### Benefit Projects (national)

1. Windows
2. Lebensqualität
3. MiAZen
4. AID
5. MuBisA
6. GEN\_TT
7. IU Integratives Umfeld für Aktives Altern
8. PDR-Eval
9. Avatars@Home
10. ATTEND
11. Compliance
12. Balance
13. Health@Home
14. AMASL
15. VitaSmart
16. Psychologie
17. Voice\_over\_IP
18. VITALshoe
19. EinfachWir

### EU Projects (a selection of ICT - FP7 and other)

1. ALLIANCE
2. EFORTT: Ethical Frameworks for Telecare Technologies for older people at home
3. LLM: Long Lasting Memories
4. EMERGE: Emergency Monitoring and Prevention
5. CompiSternli

### Ethics table

In the networking area of the wintergarden you will find a table with copies of books and articles treating the thematic areas of ethical issues and end-users involvement in AAL projects. If you are interested, you can read the texts right there in the wintergarden while enjoying some refreshments. Please put the texts back on the table when you do not need them anymore.

## SOCIAL EVENTS

Hofburg - Galerie  
Day 1 (September 29)  
18:00 - 22:00

### Welcome Reception

#### Hofburg Vienna History

Over a period of 700 years, Austria's rulers enlarged the Hofburg to make it a fitting imperial residence.

The emergence of Austria as a major European power during the Baroque period saw the Hofburg become a stage for world political and cultural history. Maria Theresa, Joseph II and Metternich lived and worked at the Hofburg, while Mozart, Beethoven, Liszt and Strauss made music here. Emperor Franz Joseph I gave the Hofburg its present day appearance.

The Hofburg Vienna Galerie  
(© HOFBURG Vienna)



#### Hofburg Vienna Festsaal (© HOFBURG Vienna)



## SOCIAL EVENTS

Orangerie Schönbrunn  
Day 2 (September 30)  
19:30

### FORUM Dinner

#### Orangerie Schönbrunn

The Schönbrunn Palace Orangery is an extraordinary place: while the building was originally conceived as a baroque greenhouse, the Habsburgs soon started using it as a venue for spectacular festivities and events. The Orangery looks back on a long and eventful past and was thoroughly renovated in the 1980s. Today, the Orangery combines the magic of times past with modern-day amenities. The ample floor-to-ceiling windows offer a fascinating view of the Orangery garden and flood your event with gorgeous natural light.



Orangerie Schönbrunn (© Orangerie Schönbrunn)

#### How to get there

From the conference venue Hofburg Vienna you need approx. 30 minutes to Orangerie Schönbrunn using public transport:

Take tram line 1 or D from station Burgring to Kärntner Ring /Oper (one station only) or take a walk along Ringstraße from Heldenplatz to the Viennese Opera.

Change to Underground line 4 (green line) in direction Hütteldorf and get off at Station Schönbrunn.

Use the exit to Schönbrunner Schloßstraße.

Cross Schönbrunner Schloßstraße and you are right in front of the Orangerie building.

Tickets for public transport will be provided at the Registration Desk upon your request.





## Next years AAL Forum 2010 goes to Denmark

Mark your calendar now for next years event in Denmark:



AAL Forum 2010  
Odense, Denmark  
15-17 September 2010  
Venue: Odense Congress Center

Odense is the 3<sup>rd</sup> largest city in Denmark and the biggest city of the Region of Southern Denmark. Besides that the AAL FORUM 2010 make visit the home town of the story teller Hans Christian Andersen, it is of more interest that Denmark, the region and the town of Odense is a world leading place to se demonstrated real life running eHealth, telemedicine and AAL-services in a collaborative way between the actors in the social and healthcare sector

## Imprint

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