

ehome Congress "Assisted Living"

Wednesday, 15 October 2008, 09:00 – 17:00

Workshop 1: Integration – from Individual Solutions to an Integrated Concept

Gone are the days that the mechanisation and automation of the home and house area are limited to different and separate individual areas. Numerous projects which have been kicked off recently or show the first results consider the entire area of peoples' lives outside their work. Ranging from the support of elderly persons up to modern life in the multimedia era, "Ambient Assisted Living" is turning into the forward-looking concept for living and/or technology concept.

Two factors of success will be discussed which tip the scales: On the one hand the linking of service-based heterogeneous technologies and products into an infrastructure. And on the other hand the overcoming of boundaries in view of the fields of applications and/or areas of life as well as the stakeholders (manufacturers, traders etc.) who implement this "assisted" living environment. This integrated approach will be shown in numerous projects.

Moderated by: Dr. Gudrun Quandel, Head of Press and Public Relations, Fraunhofer-Institut für offene Kommunikationssysteme FOKUS

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| 9.00 - 9.10 | Welcome address – introduction – objective |
| 9.10 - 9.30 | Overview of current standards, developments and challenges
Speaker: Dr. Gudrun Quandel, Fraunhofer-Institut für offene Kommunikationssysteme FOKUS |
| 9.30 - 9.45 | <i>Technological fundamentals - approaches</i>
The OSGi Technology - Integration platform and flexible service delivery for assisted living environments
Speaker: Dr. Susan Schwarze, Member of the Board / VP Marketing, OSGi Alliance; Director Standards, ProSyst Software AG OSGi Alliance |
| 9.45 - 10.00 | Using the HYDRA middleware and tools for the implementation of emerging home monitoring and care applications
Speaker: Dr. Heinz-Josef Eikerling, C-LAB Cooperative Computing & Communication Laboratory |
| 10.00 – 10.15 | SmartHome-Paderborn – Cooperation between specialists from craft and trade
Speaker: Günther Ohland, Founder and President GO Redaktionsbueros, Founder and Chairman of the Board of "SmartHome-Paderborn e.V." and "SmartHome Initiative Deutschland" |
| 10.15 - 11.00 | Discussion |
| 11.00 - 11.20 | Break |
| 11.20 - 11.35 | <i>Brief presentation of current projects and problems – case studies</i>
inHaus 2: Innovation-Workshop for Cooperative Development of "Ambient Assisted Living" - Solutions
Speaker: Dr. Viktor Grinewitschus, Head of the Fraunhofer inHaus-Innovationszentrum Technik und Innovation, Fraunhofer Gesellschaft FhG IMS |
| 11.35 – 11.50 | Healthy, secure, smart: living in Bremen
Speakers: Michael Lawo and Norbert Schmacke, Profs. University of Bremen |
| 11.50 – 12.05 | Assisted Living in Kaiserslautern – outcomes of a real-world housing project
Speakers: Martin Floeck and Prof. Dr. Lothar Litz, TU Kaiserslautern |
| 12.05 - 13.00 | Discussion / evaluation / abstract |

Workshop 2: Demand Analysis in the Healthcare Sector

This workshop deals with the "Demand Analysis in the Healthcare Sector - requirements and offers for the nursing care". What is required to use existing technological networking solutions? What characterizes an effective and high-quality service? What are the requirements of the nursing care facilities and users? What renders a project successful? The infrastructure in the healthcare sector, social and technological trends as well as business models and pilot projects will be presented and discussed against this background.

Moderated by: Rainer Beckers, Area Manager, ZTG Zentrum für Telematik im Gesundheitswesen GmbH

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| 9.00 – 9.10 | Welcome address – introduction – objective |
| 9.10 - 9.30 | Overview of current offers, developments and challenges in the healthcare sector – action program to support telemedicine
Speaker: Rainer Beckers, Area Manager, ZTG Zentrum für Telematik im Gesundheitswesen GmbH |
| 9.30 - 9.50 | Legal outline conditions and trends for health and nursing care and the development of new models by means of strategic cooperations
Speaker: Hermann-Josef Arentz, Management Consultant, Proprietor of ArentzConsulting, Cologne and Partner of the Management of Consultancy Dr. Dithmar & Partner

<i>Infrastructure and requirements in the healthcare sector being the basis for new business models, applications and improved services</i> |
| 10.00 - 10.20 | Telemonitoring for chronic diseases Mikro Medizin – an initiative of VDE (international activities in the eHealth area)
Speaker: Johannes Dehm, Managing Director of VDE initiative MikroMedicine in the VDE |
| 10.20 - 10.40 | AAL technologies – Benefits for the users
Speakers: Dr. Sibylle Meyer, Managing Director, SIBIS GmbH and Dr. Holger Gothe, Managing Director, IGES GmbH |
| 10.40 - 11.00 | Discussion |
| 11.00 - 11.20 | Break |
| 11.20 - 11.35 | <i>Successful business models, pilot projects and applications</i>
E-Health in Switzerland – Who supports Ambient Assisted Living and Telemedicine?
Speaker: Richard Staub, BUS-House / Gebäude NetzwerkInstituts GNI |
| 11.35 - 11.50 | Telemedical Services at home
Speaker: Jörg Draeger, Fraunhofer-Institut for Software- and System Engineering (ISST) |
| 11.50 - 12.05 | Shared flats for outpatients suffering from dementia – living and nursing care in an assisted environment
Speaker: Wolfgang Meyer, Head of centralised business areas, Sozialwerk St. Georg e.V. |
| 12.05 - 13.00 | Discussion / evaluation / abstract |

Workshop 3: Usability (Functionality and Operability)

Products and their related (online) services are examined for their operability, technology and functionality from the viewpoint of the persons concerned and the users. This workshop aims at drawing up a catalogue of requirements for purchasers and manufacturers: The purchasers – the users and the occupants as well as the operators of the “Assisted Living” facilities – will obtain a guideline for their purchases. The manufactures will be given indications as to the really required functions and requirements on the operability of the services and products. The workshop will focus on the offers allowing as many people as possible to live in their own home independently and comfortably maintaining self-determination and dignity as long as possible.

Moderated by: Andreas Kohl, Managing Director, MUSARTE GmbH

14.00 – 14.10 Welcome address – introduction – objective

Description of topic, issues and review

Speaker: Andreas Kohl, Managing Director, MUSARTE GmbH

14.10 - 17.00

Course: The workshop is designed in analogy to the concept of a “Multi-Disciplinary Design Team” as proposed by ISO 13407 “Human-centred design processes for interactive systems” (1999). Persons concerned and users will work out and evaluate solutions for the target groups and the purchasers of a product in cooperation with designers, developers, specialists in ergonomics, experts, sponsors and manufactures within an iterative process. In short introductory presentations (approx. 10 minutes), the representatives of the manufacturers, the social security institution, the consumer representations, the persons concerned and the operators of Assisted Living facilities will present their offers, experiences, guidelines, constraints by circumstances as well as possibilities and ideas. Most part of the discussion will focus on operational concepts and offered functions. The joint preparation of a catalogue of requirements or a guideline for all parties which are involved in the decision-making process on the manufacture and the purchase of products will close the workshop.

Requirement A Prototyping Environment for AAL: Usability Requirements

Speaker: Dr. Joachim Machate and Johannes Schäfer, User Interface Design GmbH, Ludwigsburg

Design for all – advantages for users and industry

Speaker: Dr. Sibylle Meyer, Managing Director, SIBIS GmbH and Dr. Silke Claus, Director, IDZ Berlin

Design Mobile Connection – No longer life on a leash

Speaker: Helma Töpfer, Slash/work interaction design

Products BIS resident information system

Speaker: Henry Winkelmann, TCS TürcontrolSysteme AG

The telephone as universal basic device of private communication – Operability and new functions -

Speaker: Winfried Meyer-Schmidt, Usability Consultant, Siemens Home and Office Communication Devices GmbH & Co. KG, User Interface Center

Check criteria Is less more?

Speaker: Jürgen Nadler, Head of Department Produkttests I, Area Examinations Stiftung Warentest

Break at approx. 15.30

Workshop 4: "Ambient Assisted Living (AAL): From Europe to Germany"

"Ambient Assisted Living" (AAL) comprises concepts, products and services which improve the interaction between technical and social systems aimed at enhancing the quality of life for all people of all age groups. This is a challenge for the society, the industry and politics. The Federal Ministry of Education and Research (BMBF) is committed at European as well as at national level by funding innovative projects. The objective of the workshop is to review the current announcement or provide an outlook for new call themes within the European AAL program.

Moderated by: Christine Weiß, VDI/VDE Innovation + Technik

- 14.00 – 14.30** **Key-note Ambient Assisted Living: A European success story!**
Speaker: Reinhard Goebel, Vice-President of the European AAL Association
- 14.30 - 15.00** **AAL Joint Program: Findings derived from the 1st Call "ICT based solutions for prevention and management of chronic conditions of elderly people"**
- Courses of joint program
- Statistics of the submissions of the 1st call
- Priorities of the contents
- Possible improvements
Speaker: Michael Huch, Manager of the European AAL Association
- 15.00 - 15.15** **Presentation of the planned 2nd call "ICT based solutions for social interaction"**
Speaker: Dr. Hartmut Strese, VDI/VDE Innovation + Technik GmbH
- 15.15 - 16.15** **Two parallel working groups**
1st working group on the planned 2nd call (moderated by: Dr. Hartmut Strese)
2nd working group on future call themes (moderated by: Michael Huch)
- 16.15 - 16.50** **Evaluation / abstract**
Presentation and plenary discussion of the results
- 16.50 - 17.00** **A first short overview of the results of the national announcement "Age-appropriate systems of assistance for a healthy and independent life".**
Speaker: Christine Weiß, VDI/VDE Innovation + Technik GmbH

Thursday, 16 October 2008, 9:00 – 17:40

- 9.00 – 9:05** **Official Opening**
Werner Mocke, Director Facility & Construction, Messe Berlin GmbH
- 9.05 – 9.35** **Keynote: Market Opportunities resulting from Social Change,**
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- 9.35 – 9.50** **Short presentation of the results from the workshops of 15 October 2008**
– Solution of integration, usability, demand in health and nursing care, Ambient Assisted Living –

Session 1: Future Living-Standards Requirements

This session will centre on a practical look at the housing planning and construction. After innovative networking technologies and the putting of services into practice have largely not been considered in the past years, real networking projects having different requirements on use show the demand and the added value for the users (occupants, housing societies). The experience gained from the projects presented here moreover shows the technological requirements of the housing industry as well as the fields of service demanded and their acceptance by the user. The session will deal with, among others, the following fields of use: energy savings, support of various profiles of occupants in their everyday life, health/nursing care.

Moderated by: Prof. Birgit Wilkes, Technical University of Applied Sciences of Wildau

- 09.50 - 10.10** **Key-note: Connected homes – a challenge for the housing industry**
Speaker: Lutz Freitag, President of GdW Federal Association of German housing and real estate companies
- 10.10 - 10.30** **Service living in existing homes - new projects on their way towards market maturity**
Speaker: Dr. Armin Hartmann, MRICS
- 10.30 - 10.50** **Energy savings and age-appropriate living: A joint project of degewo, SOPHIA, TFH Wildau and TelematicsPRO e.V.**
Part I – Presentation and live presentation of the Schlangenbader Strasse
Speakers: Prof. Birgit Wilkes, Technical University of Applied Sciences of Wildau and Rudolf Kujath, SOPHIA Berlin GmbH
- 10.50 - 11.10** **Use of the Smart Living of Manager for the service living in the existence of the Henningsdorfer Wohnungsbaugesellschaft Ltd. – Interlaced Neighbourhood in the Cohn Quarter Henningsdorf**
Speaker: Holger Schaffranke, Managing Director, Henningsdorfer Wohnungsbaugesellschaft mbH
- 11.10 - 11.30** **CrossGeneration – a project for the development of innovative services based on the micro-systems technology**
Speaker: Dipl. Ing. Robert Diemer von der TU München
- 11.30 - 11.45** **Energy savings and age-appropriate living: A joint project of degewo, SOPHIA, FTH Wildau and TelematicsPRO e.V.**
Part II – Presentation and live presentation of the street Schlangenbader Strasse
Speaker: Prof. Birgit Wilkes, Technical University of Applied Sciences of Wildau

Session 2: Business Models for the Healthcare Industry

Based on the infrastructure of the Federal Laender and regions as well as the content-related fields, successful business models and their underlying requirements, technologies, objectives and results will be presented in this session. This insight into practice reveals the complexity of this business segment (ranging from prevention and home care to aftercare) as well as technical solutions which are successfully used. The experiences made up to now as well as the societal and technological developments show the trends existing across Europe.

Moderated by: Wolfgang Meyer, Head of centralised business areas, Sozialwerk St. Georg e.V.

- 12.00 - 12.20** **From social alarms to telecare: Bending a business model to absorb technological innovations and public expectations**
Speaker: Dr. Kevin Doughty, Deputy Director, JRF Centre for Usable Home Technology, University of York, and Telecare Consultant
- 12.20 - 12.40** **The marketing of integral approaches based on extendable software infrastructures**
Speaker: Dr. Reiner Wichert Fraunhofer-Allianz Ambient Assisted Living, Fraunhofer Institut für Grafische Datenverarbeitung (IGD)
- 12.40 - 13.00** **SOPRANO – How open extendable technologies assist elderly people in nursing homes and simultaneously reduce nursing costs**
Speaker: Kai Hackbarth, Product Manager & Requirements Chair OSGi-Alliance, ProSyst Software GmbH
- 13.00 - 13.20** **Bringing together healthcare and technology – an example from the UK**
Speaker: David Kelly, Director, Managing Director Tunstall Scotland and Ireland
- 13.20 - 13.40** **Life Point Concept – quarter-based outpatient healthcare**
Speaker: Michael Anders-Hoepgen, GP, Project Society for Future and Capability Development in the Healthcare Sector
- 13.40 - 14.00** **Housing service – Balance between technical and human approach?
Care for the elderly and social services in a partnership of housing societies and social economy**
Speaker: Rainer Lensing, Member of the Federal Committee of Johanniter-Unfall-Hilfe e.V.

Session 3: "Products and Services for Assisted Environments"

Everybody is talking about technology-assisted services, but which benefits do they have for the user? In addition to the users' point of view, solutions and services for healthcare and convenience are discussed on the basis of practical examples – e.g. the "smart living" solution via the TV screen already established on the market. This session will also deal with a possible standardisation of services offered in assisted environments which DIN drives forward.

Moderated by: Dr. Ing. Armin Hartmann, MRICS

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| 15.00 - 15.20 | AAL technologies – Benefits for the user
Speaker: Sibylle Meyer, Managing Director, SIBIS GmbH |
| 15.20 - 15.40 | <i>Solutions and services for healthcare and convenience</i>
Smart shopping in the smart home
Speaker: Prof. Dr. Uwe Kern, Managing Director, ITEK GmbH |
| 15.40 - 16.00 | Service-living for the future – from resource to practice
Smart Living Manager as Service Platform
Speaker: Lothar Schöpe, Fraunhofer Institute for Software and System Engineering (ISST) |
| 16.00 - 16.20 | TV-assisted platform for AAL applications
Speakers: Ralf Kluthe, DiscVision GmbH |
| 16.20 - 16.40 | Efficient database and web service design for confidential patient data in the Temonics project
Speaker: Ines Alich Dipl.-Ing., Chair for Production Systems, Ruhr University Bochum |
| 16.40 – 17.00 | Standards and innovative services at home – the StaDiWaMi project
Speaker: Siglinde Kaiser, Project Manager, German Institute for Standardisation |
| 17.00 - 17.20 | iHomeLab: Indoor Position Information enables smart assistance and alert services
Speakers: Prof. Alexander Klapproth, Head of CEESAR and
Dr. Stefan Knauth, Deputy Head of CEESAR, Research Center Lucerne,
University of Applied Sciences, CEESAR – Center of Excellence for Embedded Systems Applied
Research |