



Seminar on Meaningful Technologies for Daily Life Seniors in Japan and Finland

May 5, 2017, Lahti, Wanha Walimo, Masuuni hall, at 9.30-14.30
[Vesijärvenkatu 25, <https://www.casseli.fi/walimon-casseli/yhteystiedot/kartta>]

Care for the elderly is becoming an increasingly topical subject around the world, as populations age. ICT and robotics are expected to improve the quality of life and care for the elderly, maintain their ability to lead independent lives and lighten the workload of care staff. The key issue concerns how technologies should be developed in step with the societal needs, organizational conditions, service processes, working practices and individual lifestyles in question. How can technologies contribute to building of meaningful daily life for seniors?

The aim of the research seminar is to describe research findings and discuss

- Expertise and service concepts which apply digitalization in elderly care
- Opportunities for elderly care service concepts in international business

The keynote speaker in the seminar is Dr. Kentaro Watanabe, Visiting Research Scientist at VTT's Value-driven Decision-making team in Tampere. He is a Researcher at the Artificial Intelligence Research Center of the National Institute of Advanced Industrial Science and Technology (AIST) in Tokyo. Dr. Watanabe came to Finland thanks to the long-standing cooperation between VTT and AIST, including an on-going joint research project METESE.

The seminar is targeted for approx. 40 invited participants (registration needed). The seminar language is English.

For further information: mervi.hasu@ttl.fi (substantial issues) and hilkka.laakso@lut.fi (technicalities).



Program, May 5, 2017 - Scientific seminar, open for invited participants

- 9.30 Coffee
- 10.00 Opening words, Helinä Melkas, Lappeenranta University of Technology, and Mervi Hasu, Finnish Institute of Occupational Health
- 10.15-10.45 Introduction of METESE Project: Toward Meaningful Technology for Seniors, Marketta Niemelä, VTT
- 10.45-11.30 Keynote speech, Meaningful Technology in Elderly-care Service Systems: Comparative Study between Japan and Finland, Kentaro Watanabe, AIST and VTT
- 11.30-11.45 Discussion and comments
- 11.45-12.45 Lunch
- 12.45-13.15 KUMOUS: Co-creating agile experiments in elderly people's housing services, Mirva Hyypiä and Satu Pekkarinen, LUT
- 13.15-13.45 ROSE: Robotic innovations in Finnish elderly care – contradictory perceptions, Satu Pekkarinen and Outi Tuisku, LUT
- 13.45-14.00 Discussion and comments (including short break)
- 14.00-14.30 Closing discussion: Next steps

Registration to the seminar by 27.4.2017:

https://www.lyyti.in/Meaningful_Technologies_Lahti_05052017

Speakers

Marketta Niemelä, Ph.D is Senior Research Scientist at VTT Technical Research Centre of Finland. See more in: <https://fi.linkedin.com/in/markettaniemela>

Kentaro Watanabe, Ph.D, Senior Research Scientist, Service Intelligence Research Team, Artificial Intelligence Research Center National Institute of Advanced Industrial Science and Technology (AIST), Tokyo. More in <https://sites.google.com/site/kentarowatanabe2012/>

Mirva Hyypiä, D.Sc. /Tech.), is Senior Researcher of Industrial Management (especially Leadership, Innovation & Co-creating Digitalization) at Lappeenranta University of Technology (LUT). Further information on: research.lut.fi/ > Hyypiä

Satu Pekkarinen, Ph.D. (Innovation systems), is Senior Researcher at Lappeenranta University of Technology, LUT Lahti. Further information on: research.lut.fi/ > Pekkarinen.

Outi Tuisku, Ph.D. (Interactive Technology), is Post-doctoral researcher at Lappeenranta University of Technology, LUT Research Platform on Smart Services for Digitalisation. Further information on: research.lut.fi/ > Tuisku.

Helinä Melkas, D.Sc. (Tech.), is Professor of Industrial Management (especially Service Innovations) at Lappeenranta University of Technology (LUT). Further information on: research.lut.fi/ > Melkas.

Mervi Hasu, Senior Researcher, PhD (Educ.), Adjunct Professor, Sociotechnical Change, Finnish Institute of Occupational Health. Further information on <https://fi.linkedin.com/in/mervi-hasu-87b1a510>

The seminar is organized by Lappeenranta University of Technology, LUT Lahti and LUT Research Platform on Smart Services for Digitalisation, together with KUMOUS, METESE and ROSE projects.

KUMOUS (Revolution of the service economy – Human being at the core of digitalization)

This project seeks for a direction that springs from people's daily lives, with technical solutions supporting those. The key question is to build prerequisites of success for companies by *combining people, ICT and effective operational practices*. The research aims at accelerating such combinations in practice; transitioning from 'a jungle of services into a garden of services'. The research will *benefit business life in multiple ways* and have *wide-ranging societal effectiveness*. Firms will obtain new business opportunities, and entrepreneurial practices will be transferred for the benefit of public organizations. The results will help firms and organizations to improve service quality, usability, cost-efficiency, effectiveness, renewal and competitiveness. The project consortium consists of Finnish Institute of Occupational Health (FIOH), Technical Research Centre of Finland (VTT), Lappeenranta University of Technology (LUT), and University of Helsinki. Further information: www.digikumous.fi, Twitter: #kumous

ROSE (Robots and the Future of Welfare Services) is a research project funded by Strategic Research Council of Academy of Finland. It started in October 2015. The principal objective of this project is to assess the potential of service robots in renewal of welfare services. The project adopts a multidisciplinary and holistic approach to study how advances in robot technologies allow product and service innovation and renewal of welfare services, when such services are developed jointly with users and other stakeholders, and when ethical issues are taken into account. The consortium comprises Aalto University (coordinator), University of Tampere, Tampere University of Technology, VTT Technical Research Centre of Finland, Laurea University of Applied Sciences and Lappeenranta University of Technology. The disciplines represented are technology, sociology, nursing science, philosophy and industrial management. Further information: <http://roseproject.aalto.fi/fi/> Twitter: @ROSERobotic.

METESE – Meaningful Technology for Seniors

In METESE, VTT and AIST will develop an integrated model for the elderly (home)care. In the core of the project are human-centred design methods, which are utilized for developing meaningful ICT-supported service solutions that increase the quality of life of the elderly, and the service system concept to understand relationship and interactions among a variety of stakeholders. The mutual aim is to realize sustainable care service systems and to support active aging, with technologies that bring safety, comfort and joy to the elderly. The METESE project consists of two parallel sub-projects: VTT-AIST research collaboration and VTT research and development collaboration with Finnish partner organizations. Both sub-projects work toward the same goal: advancing co-design and adoption of new ICT and robotic applications in the elderly care service system. The ICT and robotic applications are targeted to increase elderly users' quality of life as well as decrease the burden of care personnel. The Finnish part of the research is funded by the Finnish Funding Agency for Technology and Innovation (Tekes), VTT and Finnish companies. The Japanese part of the research is funded by the Japan Science and Technology Agency (JST). Further information: <http://metese-project.com/>

DIGI-USER – LUT Research Platform on Smart Services for Digitalisation

Digital infrastructures provide a wealth of data as well as opportunities for developing new services and optimizing the related processes. Users' active role in digital service development and management is at the core of our work in the LUT Research Platform on Smart Services for Digitalisation. Our user-centric approach to systemic issues combines macro-, meso- and micro-levels. By means of research, the aim is to reveal problems, needs, barriers and solutions, and help companies (especially SMEs) to co-create smart services with users for various fields, such as energy systems and everyday living. <http://www.lut.fi/web/en/research/platforms/digi-user>