

Smart-Home Technologies and The Elder (May 18 – 20, 2021)

Aims:

1. To raise discussion on the topic of the use of smart home technologies for older persons;
2. To provide networking opportunities among participants;
3. To publish a synthesis of our meeting with lessons learned and recommendations in Gerontology CH (Journal of the Swiss Association of Gerontology). If possible, we will seek to publish a special issue that brings together each of the lectures presented during the workshop.
4. To publish our planned book “Smart Home Solutions in Caregiving for the Elderly: Ethical and Social Limits” (Working title)

Organizers:

1. Dr. med. Félix Pageau. Geriatrician, Laval University, and Visiting Scholar, Institute for Biomedical Ethics, University of Basel. (Key coordinator of the workshop and in charge of the summary for Gerontology-CH and the special issue book publication).
2. Ms. Nadine Felber, PhD Candidate, Institute for Biomedical Ethics, University of Basel, working on SNSF NRP-77 Project: Smart Home Technologies and Caring for Older Persons.
3. PD Dr. Tenzin Wangmo, Senior Researcher, Institute for Biomedical Ethics, University of Basel, Principle Investigator SNSF NRP-77 Project: Smart Home Technologies and Caring for Older Persons.
4. Prof. Dr. Delphine Roulet Schwab, La Source School of Nursing, Lausanne, Co-investigator, SNSF NRP-77 Project: Smart Home Technologies and Caring for Older Persons.
5. Prof. Dr. med. Bernice S. Elger, Head of the Institute for Biomedical Ethics, University of Basel.

Workshop Sponsors:

The Brocher Foundation generously offered to provide all meals for attendees on-site. They will charge CHF 50 per person for the entire cost of the stay. The organizers will pay this fee, along with travel refund for those coming within Switzerland, from the SNSF NRP-77 funded project.

Participants:

We wish to invite between 15 - 20 participants. Not everyone will have to present on-site in light of the travel restrictions. Nevertheless, we expect to welcome approximately 15 persons on-site. Participants will be asked if they would like to contribute to our special issue. Additionally, all presenting authors will be asked to write a chapter of our planned book, based on their contribution during the workshop. Partakers who are not speakers are welcome to contribute towards the book as well. The book will be edited by two members of our team and contributions can be made in either English or French.

Presentation Structure:

Presentations will be 45 - 60 min long followed by 30-min discussions.

DAY 1 - MAY 18TH, 2021

Arrival and registration of participants: 12: 30 to 1: 10 p.m.

Free time

Welcoming comment and introduction to the conference aims: 1: 10 to 1: 30 p.m.

Speaker: Dr. med. Félix Pageau, Geriatrician, Laval University, Canada & Visiting Scholar, Institute of Biomedical Ethics, University of Basel.

Presentation of participants and speakers (2 to 5 min each): 1: 30 to 2: 00 p.m.

Education, current work, affiliation, source of funding (if applicable), prospect of research in the field (if applicable).

Moderator: Dr. med. Félix Pageau

The concept of AI and its possibilities - 2: 00 to 3: 30 p.m.

Speaker: Dr. Friedemann Zenke, researcher in Neural dynamics of learning and computation, Friedrich Miescher Institute for Biomedical Research

Coffee break and networking: 3:30 to 4:00 p.m.

Ethical issues in the use of smart technologies in the care of older persons: 4:00 – 5:30 p.m.

Keynote Speaker: Athena McLean, Prof. Emerita, Central Michigan University, USA

Dinner: 6:30 to 8:30 p.m.

Points to be discussed, ideas, networking

Moderator: Dr med. Felix Pageau (Unstructured discussion and networking)

DAY 2 - MAY 19TH, 2021

Breakfast: 7:30 to 8:30 a.m.

Summary of the first day: 8:30 to 9:00 a.m.

Speaker: Dr. med. Félix Pageau

Dignity as a boundary to the use of smart technologies for older persons. 9: 00 to 10: 30 a.m.

With specific focus on robotic technology.

Speaker: Ms. Nadine Felber, Institute for Biomedical Ethics, University of Basel

Coffee break and networking: 10: 30 to 11: 00 a.m.

Ethical issues of smart-technologies and AI: 11: 00 to 12: 30 p.m.

General ethical aspects – autonomy versus security. Which one trumps the other?

Keynote speaker: Prof. Dr. med. Bernice Elger

Lunch: 12: 30 to 2: 00 p.m.

Introducing Smart Homes in Switzerland: 2: 00 to 3: 30 p.m.

Sensors and surveillance devices [Panel discussion]

Moderator: Delphine Roulet Schwab, Prof. School of Nursing, La Source, Lausanne.

Panel Participants:

- Hamed Seiied Alavi, PhD. University of Freiburg (Smart home Freiburg)
- Eric Lustenberger, Head of Product Development and Smart Living Loft at bonacasa AG
- Anna Golisciano: Senior Lab, La Source, HEIG-VD (school of management and engineering) and ECAL (school of art and design)
- Guillaume DuPasquier, head of Domosafety

Coffee Break and networking: 3:30 to 4:00 pm

Interaction affective humain-machine pour la robotique d'assistance (The emotional interaction between humans and robotic aids [FR]) : 4: 00 to 5: 30 p.m.

Keynote speaker: Prof. Laurence Devillers, researcher at the *Laboratoire d'informatique pour la mécanique et les sciences de l'ingénieur (LIMSI)*, Orsay.

Dinner: 6: 30 to 8: 30 p.m.

Points to be discussed, ideas, common work format, networking

Moderator: Dr. med. Félix Pageau (Unstructured discussion)

DAY 3 – MAY 20TH, 2021

Breakfast: 8: 00 to 9: 30 a.m.

Yesterday, Today, and Tomorrow - The clinical perspective on care robots for the elder: 9: 30 to 10: 15 a.m.

Speaker: Mr. Bead Gashi, Operations Manager at Curavis (private Spitex, Basel)

Working title: “Lessons Learned: Development and Living Lab Testing of a Smart Upper Arm Sensor for Older Adults” 10: 30 to 11: 15 a.m.

Speaker: Miss Katja Rießenberger, Research Assistant at Institute for Ageing Research and Expert in Social Work / Social Sciences

Brainstorming/Closing meeting - 11: 30 to 12: 00 a.m.

(planning future work and assigning tasks)

Lunch: 12: 30 to 2: 00 p.m.

**** END OF THE WORKSHOP ****