Designing Technology for Older Adults

September 23-24, 2021

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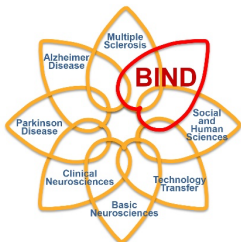
Designing Technology for Older Adults

Background and Objective of the CREATE-Workshop

Digitalization and technology are perceived as possible options to meet challenges associated with aging. Although new products come increasingly into the market, wide-spread dissemination among aging adults has been challenging due to many factors such as stigmatizing design or usability issues.

The Center for Research and Education on Aging and Technology Enhancement (CREATE) is a 20-year-old collaborative Center across prominent American Universities dedicated to ensuring that older adults can successfully use and realize the potential benefits of technology. The major objectives of this workshop are to learn from the CREATE experience and exchange and discuss possibilities for French research and development in the technology and aging field.

Goals of the workshop are to provide knowledge and expertise:

- on the aging process including sensory, motor, and cognitive functioning and the implications for technological development;

- on issues relevant to the design and implementation of technology solutions among aging adults in real world settings;

- to help foster the development of an academic career of early-stage researchers in aging and technology.

From left to right: Sara Czaja, Neil Charness, Wendy Rogers, Walter Boot.
Photo by Brian Tietz. Adapted from: http://www.create-center.org/ **Designing for Older Adults**

Workshop Agenda / Fall 2021
Thursday, September 23rd

https://u-bordeaux-fr.zoom.us/j/83136380017?pwd=emlYdjAySUZ1MktBWGY1QTNyYlBFUT09
(Note that the meeting has a waiting room and that you will be admitted in the plenary meeting after controlling the registration)

Time	Topic	Instructor(s)
09:00 am	Registration and Welcome Coffee	
09:30 am - 10:00 am	Welcome addresses by Dr. Nicolas Roussel, Dir. of Inria Center of Bordeaux	

SESSION 1 (10:00 am – 12:00 pm) -

Time	Topic	Instructor(s)
10:00 am – 10:30 am	Overview of CREATE & Goals of the Workshop	Sara Czaja
10:30 am – 11:00 am	Characteristics of Older Adults	Wendy Rogers
11:00 am – 11:30 am	Individual Differences	Sara Czaja
11:30 am – 12:00 pm	Technologies & Older Adults	Walter Boot

12:00 pm – 1:30 pm Lunch and Networking

SESSION 2 (1:30 pm – 4:15 pm)

Time	Topic	Instructor(s)
1:30 pm – 2:15 pm	User-centered Design	Wendy Rogers
2:15 pm – 3:00 pm	Involving Older Adults in Design Research	Sara Czaja
3:00 pm – 3:45 pm	Interface Design and The User Experience	Neil Charness

3:45 pm – 4:15 pm Break and Networking

SESSION 3 (4:15 pm – 5:15 pm)

Time	Topic	Instructor(s)
4:15 pm – 4:45 pm	Instructional Design	Wendy Rogers
4:45 pm – 5:15 pm	Open Discussion and Feedback to all attendees	

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Time	Topic	Instructor(s)
SESSION 4 (9:00 am – 1.00 pm)		
9:00 am – 9:45 am	Living Environments	Wendy Rogers
9:45 am – 10:30 am	Healthcare	Neil Charness
10:30 am – 11:00 am	**Break and Networking**	
11:00 am – 11:45 am	Transportation	Walter Boot
11:45 am – 1:00 pm	**Lunch and Networking**	
SESSION 5 (1:00 pm – 4:30 pm)		
1:00 pm – 1:45 pm	Social Engagement and Communication	Sara Czaja
1:45 pm – 2:30 pm	Leisure Activities	Walter Boot
2:30 pm – 3:00 pm	**Break and Networking**	
3:00 pm – 3:30 pm	Aging and Technology: Predicting the Future	Neil Charness

3:30 pm – 5:15 pm Panel Discussion on some French Aging and Technology projects with CREATE Instructors (short presentation by attendees)

- 3:30 pm – 3:55 pm *Bio-Immersive Risk management system » - multi-disciplinary project for prevention of risk situations of frail subjects living* @home. (University of Bordeaux & University of Waterloo)
  J. Benois-Pineau, H. Amieva, R. Iglesia, T. Yebda, M. Pech, L. Middleton
- 3:55 pm – 4:20 pm. *New technologies to improve older pedestrians mobility.* (University Gustave Eiffel, Laboratory of Applied Psychology and Ergonomics, LaPEA)
  A.   Dommes
- 4:20 pm – 4:45 pm. *Design and tele-assessment of an automated personalization of attentional training: an approach based on the learning progress.* (Flowers-Inria BSO, University of Bordeaux, University of Geneva)
  M. Adolphe M. Sawayama, B. Clément, A. Joessel, A. Nguyen, C. Shawn Green, D. Bavelier, PY, Oudeyer,, H. Sauzéon,
- 4:45 pm – 5:10 pm. *Using Technologies for the Assessment and Treatment of Dementia Patients?(STARS Team- INRIA, Sophia Antipolis, CoBTeK Research Lab, Université Côte d'Azur).*
  A.   Konig

5:15 pm – 5:45 pm Conclusion and Evaluation of Workshop

End of Workshop - Designing for Older Adults