SFU Gerontology Research Centre
&
Department of Gerontology
Publications and Activities in the Area of:
“Technology and Aging”

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**Technology and aging**
Research, development and evaluation of technologies to support independent living and enhance quality of life

**Publications and activities**
The GRC and has a long-standing involvement in the area of technology and aging and has been involved in projects on

- Research into the needs and requirements of older people for assistive technologies, particularly in respect to information and communication technologies (ICTs)
- Technology and people with dementia
- Development of prototype systems and technologies
- Development of methodologies for user-driven research
- Evaluation of devices and systems in field trials
- Theoretical and conceptual development
- Inequalities in access and use of systems (the Digital Divide)
- Social and psychological perspectives on the role of technology in everyday life
- Knowledge transfer and the dissemination of research findings, for example the GRC will be hosting the 7th World Congress on Gerontechnology in Vancouver in May 2010

The GRC is a partner in the EU-funded project SOPRANO (http://www.soprano-ip.org/). The project is designing and developing innovative, context-aware, smart services with natural and comfortable interfaces for older people at affordable cost, meeting requirements of users, family and care providers and significantly extending the time they can live independently.

**SECTION I:**
1. Books  
2. Technical Reports  
3. Journal Articles  
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5. Newspaper, Newsletter, & Magazine Articles  
6. Audio-visual Materials  
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**SECTION II: THESIS**
SECTION I:

1. Books


2. Technical Reports


Savage R. (2009). 2.1.3.4 – Market Facilitators and barriers US/JP/CA; 2.1.5 – Exploitation beyond the EU into key extra-EU markets; 2.3.3.4 – Facilitators and constraints towards ICT adoption. Contribution to 2.3.3 Canada in SOPRANO: Service Oriented Programmable Smart Environments for Older Europeans: Yearly Impact Report [Internal Deliverable D6.3.1.2], 11-13, 13-14, 111-116.


3. Journal articles


4. **Book Chapters & Conference Proceedings**


Gutman, G.M. (1995). The role of gerontology research centres in developing and marketing information and communication technology to older adults and to persons with disabilities. In Proceedings *Persons with disabilities and older adults: How to capitalize on a growing market* (pp. 41-54). Laval, Quebec: Centre d’innovation en technologies de l’information (CITI).


research, public and private sectors (pp. 51-67). Vancouver: Gerontology Research Centre, Simon Fraser University.


Roush, R.E., Hirst, S., Mazurik, L., & Gutman, G.M. (2010). Expanding the technology safety envelop for seniors to include disaster resilience [abstract]. *Gerontechnology, 9*(2), 91.


Sixsmith, A. (2012). Gerontological perspectives on ambient assistive living. In J.C. Augusto, et al. (Eds.), *Handbook of ambient assisted living: Technology for healthcare, rehabilitation and well-being, Ambient intelligence and smart environments, volume 11* (pp. 253-257). Amsterdam, NL: IOS PRESS.


5. Newspaper, Newsletter and Magazine Articles


Audio-visual Materials


7. Conference Presentations


Best, K., Mortenson, W.B., & Hurd Clarke, L. (2011, June). Collision avoidance and path planning technologies for older wheelchair users: Thoughts of occupational therapists. Poster session
presented at the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA), at the Festival of International Conferences on Caregiving, Disability, Aging and Technology (FICCDAT), June 5-8, 2011, Toronto, ON.


Demers L., Rushton, P.W., Mortenson, W.B., Chan, E., Miller, W.C. (2012). Introducing a tool for measuring the impact of power mobility use by older adults on their family caregivers. Podium presentation at the 41st Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, October 18-20, 2012, Vancouver, BC.


Lovegreen, L.D. (2008, May). Have older adults joined the “Age of Technology”? Invited speaker at the Intertic Symposium, Université du Québec à Montréal, Montreal, QC.


Roush, R.E., & Gutman, G.M. (2010, May). *Using preventive gerontechnological systems to monitor residents’ behavior for health services during emergencies.* Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.


Wang, R.H., Korotchenko, A., Mortenson, W.B., Hurd Clarke, L. (2012, October). Powered mobility with collision avoidance technology for older adults: Perspectives of users, prescribers and caregivers and the implications for design. Podium presentation at the 41st Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, October 18-20, 2012, Vancouver, BC.


8. Materials in Electronic Format


9. Book Reviews, Letters

**SECTION II: THESES**
