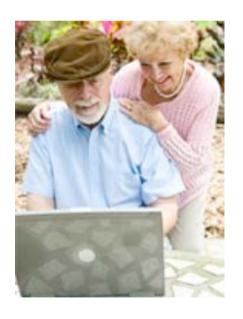


Life Participation

Computer Supported Collaborative Work Class







Happiness



Life Participation Factors

Life Participation Project



HAPPY ELDERLY

Life Participation Goal

To develop technologies and solutions for the emotional wellbeing (in bold terms, **happiness**) of older adults.











Topics

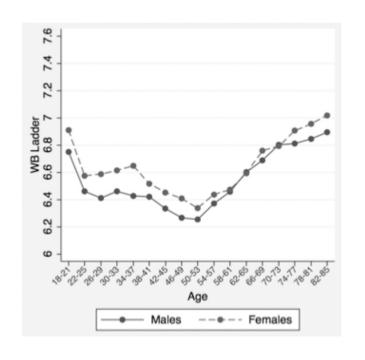
- Gerontechnology
- Intergenerational Social Interaction
- Project

"social relationships influence health through behavioral, psychological and physiological means" [Umberson 2010]

"clusters of happiness"

[Christakis & Fowler 2009]

Happiness +Social Relationships



"happier when older" "increased wisdom and emotional intelligence"

The U-bend of life [Stone 2010]

"principal contributing factor to wellbeing in UK after the age of 65" [Gabriel 2004]



Gerontology+ Technology Gerontechnology

support elders in 5 ways:
prevention, enhancement, compensation,
care support, and research
[2008-Dara-Abrams]



Gerontechnology

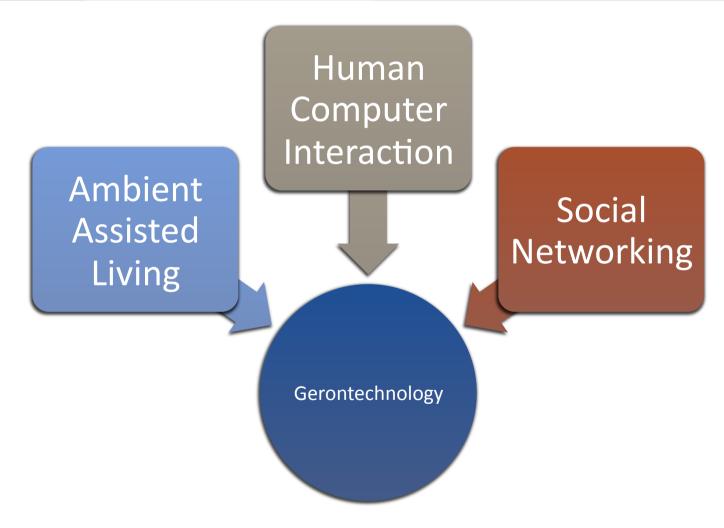
"positive design vs deficit driven" [2011-Carrol]

Human	Theory	Gerontech	Technology
Layer		Way	
Social (4)	Social	Care Support,	Collaborative
	Network	Enhancement	Social
			Networks
Cognitive	Multiple	Compensation,	Multimedia
(3)	Intell.	Enhancement	presentation
Physical	Person-	Prevention	e-learning,
(2)	Environ.		automated
			fitness
Physio.	Activity	Compensation,	Automated
(1)		Research	measurement
			devices,
			medical
			imaging

Technology support for Elders [2008-Dara-Abrams]



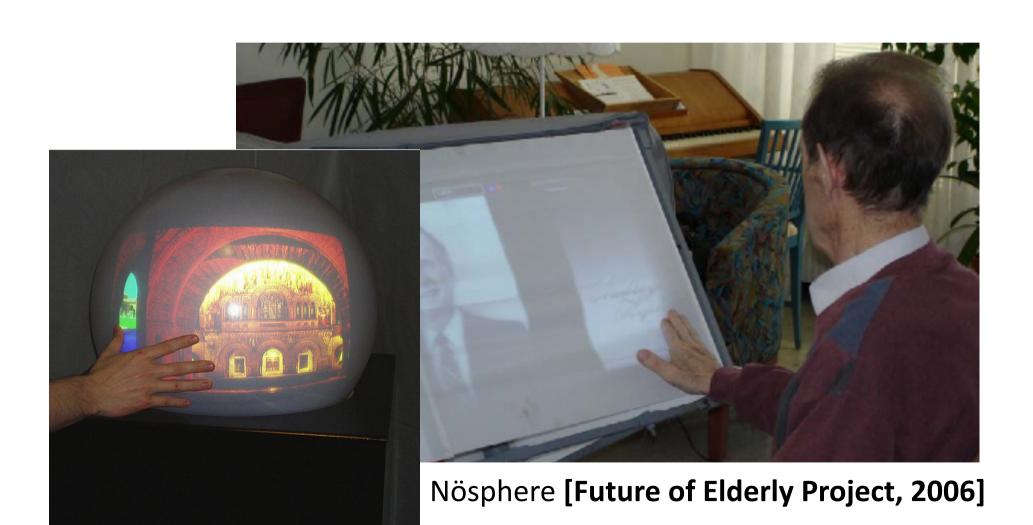
Gerontechnology



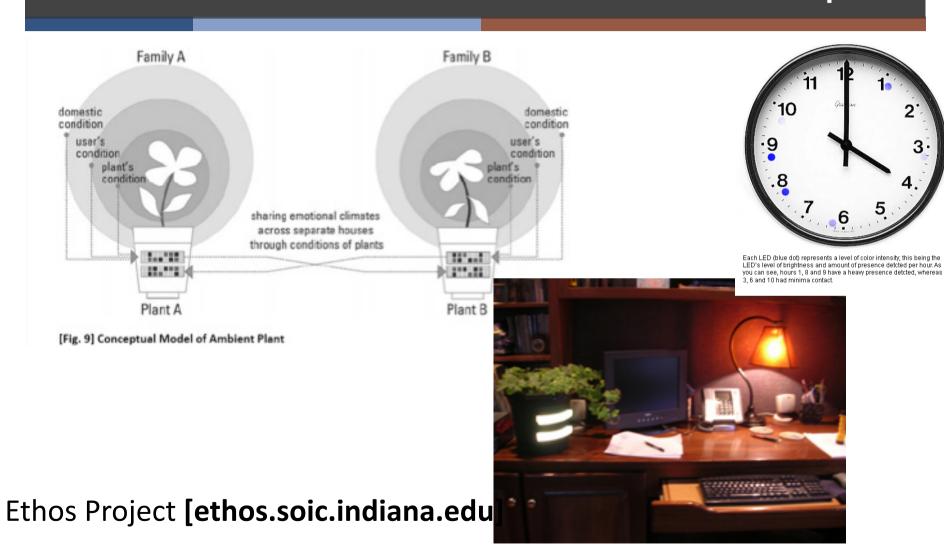
Ambient Assisted Living (AAL)

Technologies that provide supervision or assistance with activities of daily living; coordination of services by outside health care providers; and monitoring of resident activities to help to ensure their health, safety, and well-being.

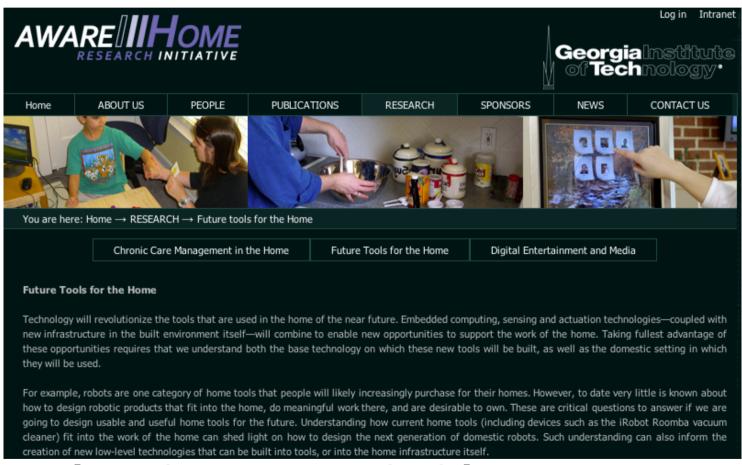
AAL examples



AAL Examples



AAL Examples



Aware Home [awarehome.imtc.gatech.edu]

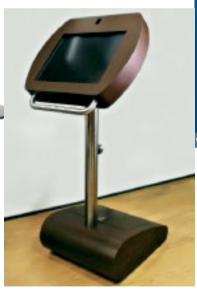
Human Computer Interaction

Study, planning, and design of interaction between people and computers

HCI Examples



simplicITy (£399)





ELDY

mobiTable
http://wn.com/i3fbk

AAL+HCI in Caregiving



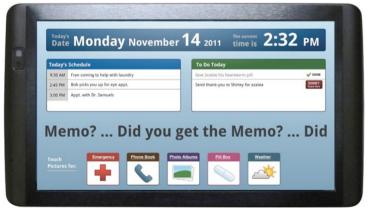


Waldo Telecare (\$???)

IntelCare Connect (\$???)



Grand Care (\$1995)



Memotouch (\$299+\$29/m)

Social Networking

Online service, platform, or site that focuses on building and reflecting of social networks or social relations among people

Social Networking Examples

bettie[™]

Products

About

Press

Blog

Allowing friends and family to effortlessly keep up to date and stay in touch.

Introducing bettie, a device that will let you keep up to date with your friends and family. You don't need to belong to any network, just plug in bettie and you can stay in touch. All without having to...

Come Explore



Social Networking Examples

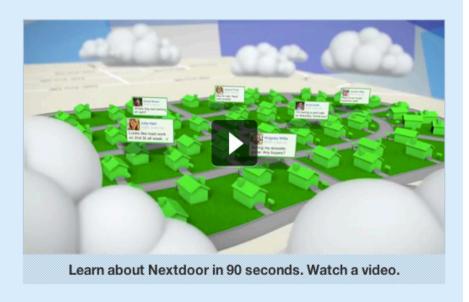


Already have an account?

Sign in

The private social network for your neighborhood

See if Nextdoor is available in your area:	
Email address	
Street address	
City	State \$
Check availability	



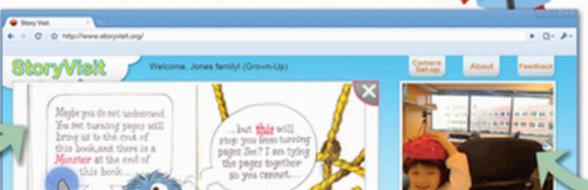
Intergenerational Interactions

Social networking to connect people of different generations

Intergenerational Interaction



Let's read stories together!



Child's camera

Touch the page to point to something. The other reader will see where you point.

Choose a storybook to read together

3 4 5 6 7 8 9 10 11 12 13 14

Grown-up's camera

Turn the page, and the other reader's page will turn too.

Intergenerational Interaction

Programmes pour l'Autonomie et la Communication des Aînés Programmes Intergénérationnels pour Aînés et Jeunes



A propos de nous

Activités Inter-générations

Actualités et publications

Votre contribution

- Mandat
- Prix et reconnaissances communautaires
- · Histoire et dates clés
- Organisation
- Commanditaires et Partenaires

. . . .

- Activités de groupe
 Télé-mentorat
- face-à-face
- Au sujet du Village Virtuel Inter-générationnel
- Télé-santé
- Village Résidentiel (A suivre...)

Actualités PACE 2000

- · Reportages média
- · Publications Presse
- Publications -

Télésante et Autonomie

- Multimédia
- · Autres sites

- Devenir bénévole
- Devenir participant
- Devenir donateur
- Devenir partenaire

PACE Project [www.pace2000.org]

Elderwisdomcircle.org



The Amazing.org

CHECK OUT OUR AMAZING ACTIVITIES!







AAL

- Netcarity [2008-Leonardi] Nosphere [2006-Nosphere]
 IntouchFun [2009-MezaKubo][2010-Meza]
- Aware Home [2006-Roger-Fisks][2004-Mynatt]
- Ambient Plant [2011-Conelly][2010-Lynggaard]

HCI

- Story Visit [2011-Raffle]
- Simplicity [2011-Talamo] SCUF [2010-Picking]
- Input Devices Review [2009-Loureiro][2009-Taviera]
- Photoframes [2011-Lopes] [2007-Biehmans]

Social Networks

- PatientsLikeMe [2009-Brownstein]. Nextdoor
- IntouchFun [2009-MezaKubo][2010-Meza]
- Tablet Solutions [2005-Santana]
- (to rThe Desire to Be in touch [2009-Lindley]

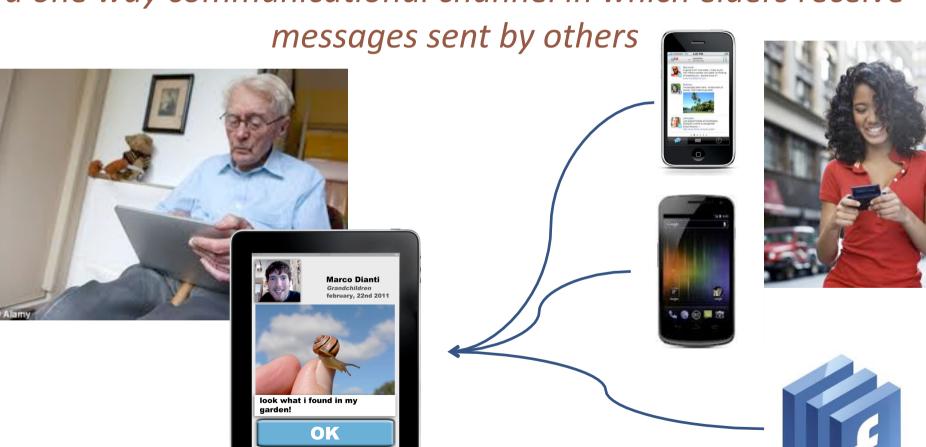


What's UP

Supporting Intergenerational Interactions in Life Participation

The 1st. Prototype: What's UP

a one way communicational channel in which elders receive



Intergenerational Networking

Whatsup Demo

http://www.youtube.com/watch?v=U-B-gfgjuz0

Project Goals

- Understanding the Usability of the UI
- Understanding the Sharing Behavior of intergenerational networks

Project Activities

- Think Aloud Study
 - → 4 elders + video + transcript + analysis
- Longitudinal Remote Testing
 - 1~2 elders + 2 weeks usage + activity logging + analysis
- Design Exercise
 - **7** Recommendation based on Results

What's UP Think Aloud Study

- Groups
 - **7** Young-Old (65-74)
 - **→** Middle-Old (75-84)
 - **7** Old-Old (85+)
- 4 Interfaces
 - No buttons
 - Request
 - Feedback
 - Complete









What's Up Think Aloud Study

http://www.youtube.com/watch?v=pouFfeR0n0A

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- **[Portacolone 2011]** Elena Portacolone. (2011). Precariousness among older adults living alone in San Francisco: An ethnography.
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Thanks!

Questions?

