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AAL Study Session

TC 100 AGS
Guido Gybels
ICT Expert



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About me

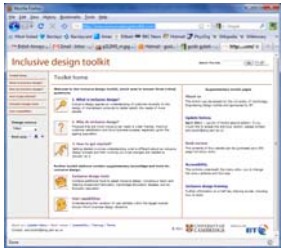
- Independent Technology Expert
- 20+ years of experience
- Former Head of ICT, Director of New Technologies, Director of Technology
- Research, Development, Innovation
- User Experience and Digital Inclusion
- Fellow of the Royal Society for the Encouragement of Arts, Manufactures and Commerce (RSA)
- Member Ofcom Consumer Forum on Communications
- Member Advisory Board Centre for Usable Home Technologies, University of York (UK)
- Member PhoneAbility Steering Committee
- Affiliate Member Society of Biology



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Inclusive Design Toolkit

- Developed by the Engineering Design Centre at the University of Cambridge, sponsored by BT.
- Aimed at designers and engineers
- What is inclusive design?
- Why do inclusive design?
- How to do it in the real world: design checklists, user capabilities, disability simulators, exclusion calculators, business case framework, etc.



<http://www.inclusivedesigntoolkit.com/>

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Inclusive Design Toolkit (2)

Impairment simulators



Inclusive design toolkit




Exclusion calculator

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Partially sighted people's experiences of 3D TV

- RNIB commissioned report – published 2010
- i2 media research limited, Department of Psychology, Goldsmiths, University of London
- Key question: impact of 3DTV on blind and partially sighted people?



http://www.rnib.org.uk/aboutus/Research/reports/inclusive/Pages/3D_TV.aspx

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Partially sighted people's experiences of 3D TV (2)

Key findings:

- From viewing trials, partially sighted people do not seem disadvantaged if 3DTV were only TV platform available.
- Most partially sighted people reported they could make out as much detail when viewing 3D clips as with regular 2DTV.
- Partially sighted participants commented on the 3D clip as being more vivid, sharp, clear and dynamic with more contrast and depth.
- Negative feedback (eyestrain, reduced light from wearing 3D glasses, glasses design aspects and cost) was not substantially different between sighted and partially sighted users.

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New Approaches to Banking for the Older Old

- University of York - Centre for Usable Home Technologies
- University of Northumbria at Newcastle
- Newcastle University, Digital Economy Research Hub on Social Inclusion through the Digital Economy
- Barclays Bank
- Age UK

<http://www.cuhtec.org.uk/>



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New Approaches to Banking for the Older Old (2)

- Problem of "older old" (80+) and their access to money (cash) and banking.
- Being able to deal with day to day payments is essential to independent living.
- But significant barriers for this group in using electronic payments, Internet banking, etc
- At the time for the 2001 census there were 2.4m people aged 80 or more in the UK .
- Someone whose 80th birthday is today can expect to live another 11 years.




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New Approaches to Banking for the Older Old (3)




Materiality



Control



Locality




Transferability


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New Approaches to Banking for the Older Old (4)

- In search of technological solutions that fit with the user group.
- Non frightening home technologies that people are used to
- Creative solutions to real problems



Pin reminding thimble




Cheque scanner/shredder

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Talking Television in the UK


- RNIB's Smart Talk Freeview set top box well received and selling well – now available through the Targeted Help Scheme.
- Talking menus, fully enabled talking EPG
- Ask for a demonstration of Smart Talk!
- Work under way for next generation Smart Talk product.
- Sky Talker.
- Preparation under way for prototype using YouView's UCAP protocol for externally connected TTS engine.



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SeN.Cit (in)activity monitoring

- SeN.Cit - inactivity monitoring with SMS message alerts
- Expect activity at certain times of day
- No activity? Sends SMS alarm to a list of contacts
- Can also sense temperatures too hot/too cold
- Can detect someone exiting the property at unexpected time
- Less than £200



<http://www.sendtech.co.uk/SeN-Cit/>

Smart Fridge in Responsive Home at CUHTec

- Built jointly by Lexicle and The University of York
- RFID tags on products
- Animated, speaking avatar
- Helps control fridge contents (look up sell by dates for example, then advice owner)
- Advise fridge owner what needs to be discarded, give recipe ideas etc
- Supporting people with cognitive disabilities, but also others



Thank you for listening!

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