



Disability, accessibility, personalisation, inclusion and design

BCS place and date



Introduction



I am Peter Abrahams

- Secretary of the Digital Accessibility Specialist Group
- Member of the Best Practice Committee
- 50 Years in IT
- Last 10 in Accessibility

My aim today

- Introduce digital accessibility
- Encourage you to promote it



The BCS Strategy

“Making IT good for society”

Society



- Society must mean all of Society
- BCS must include everyone
- In particular we must include people with disabilities

Digital Inclusion

Social Inclusion

- Race
- Religion
- Gender
- Orientation
- Age

Technical Inclusion

- Access to HW
- Fast broadband
- Training



Disability Inclusion

- Movement
- Vision
- Hearing
- Cognition



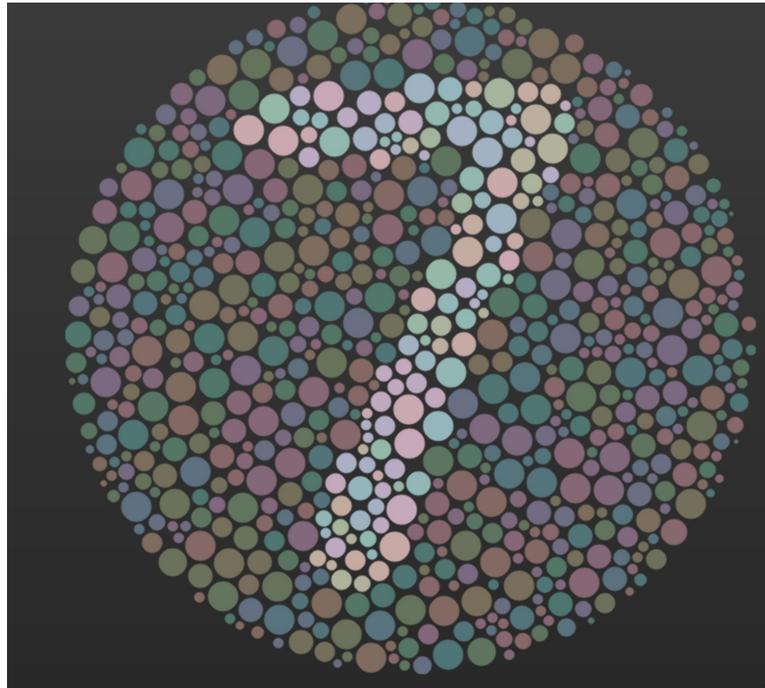
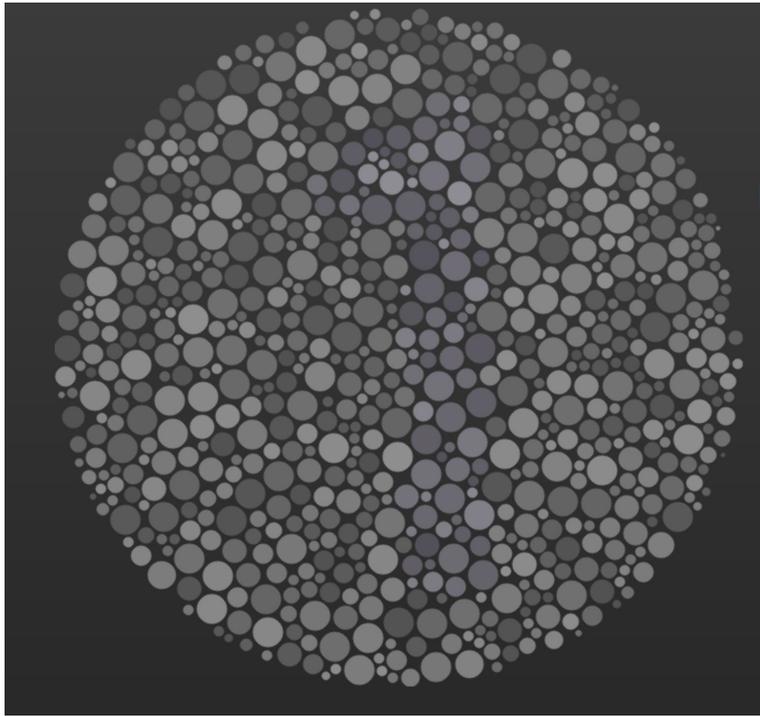
Disability

Am I
disabled?

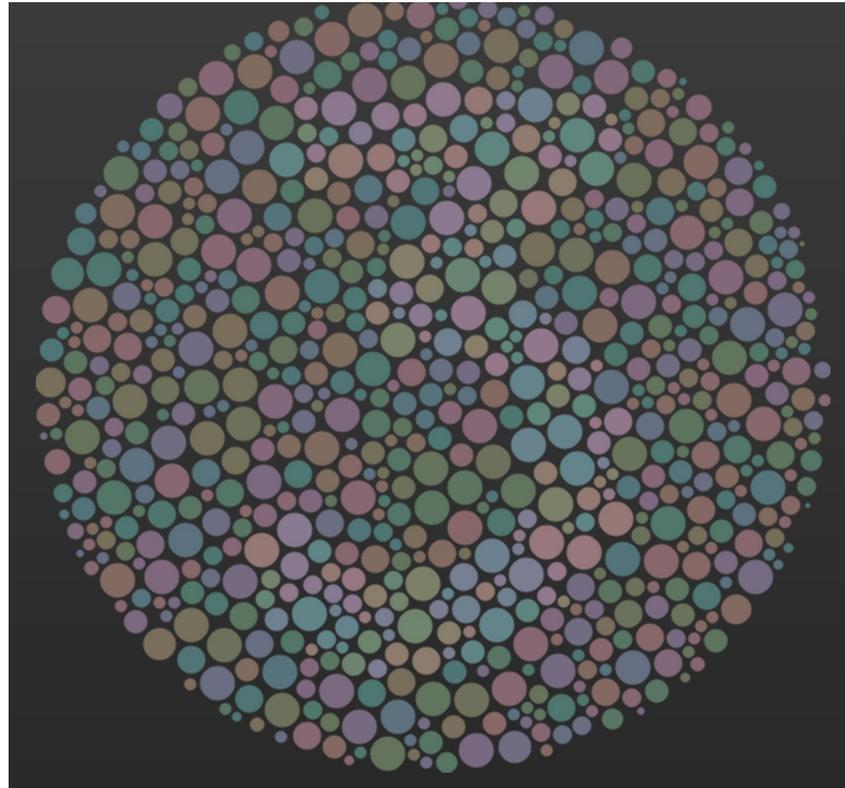




Colour Blind

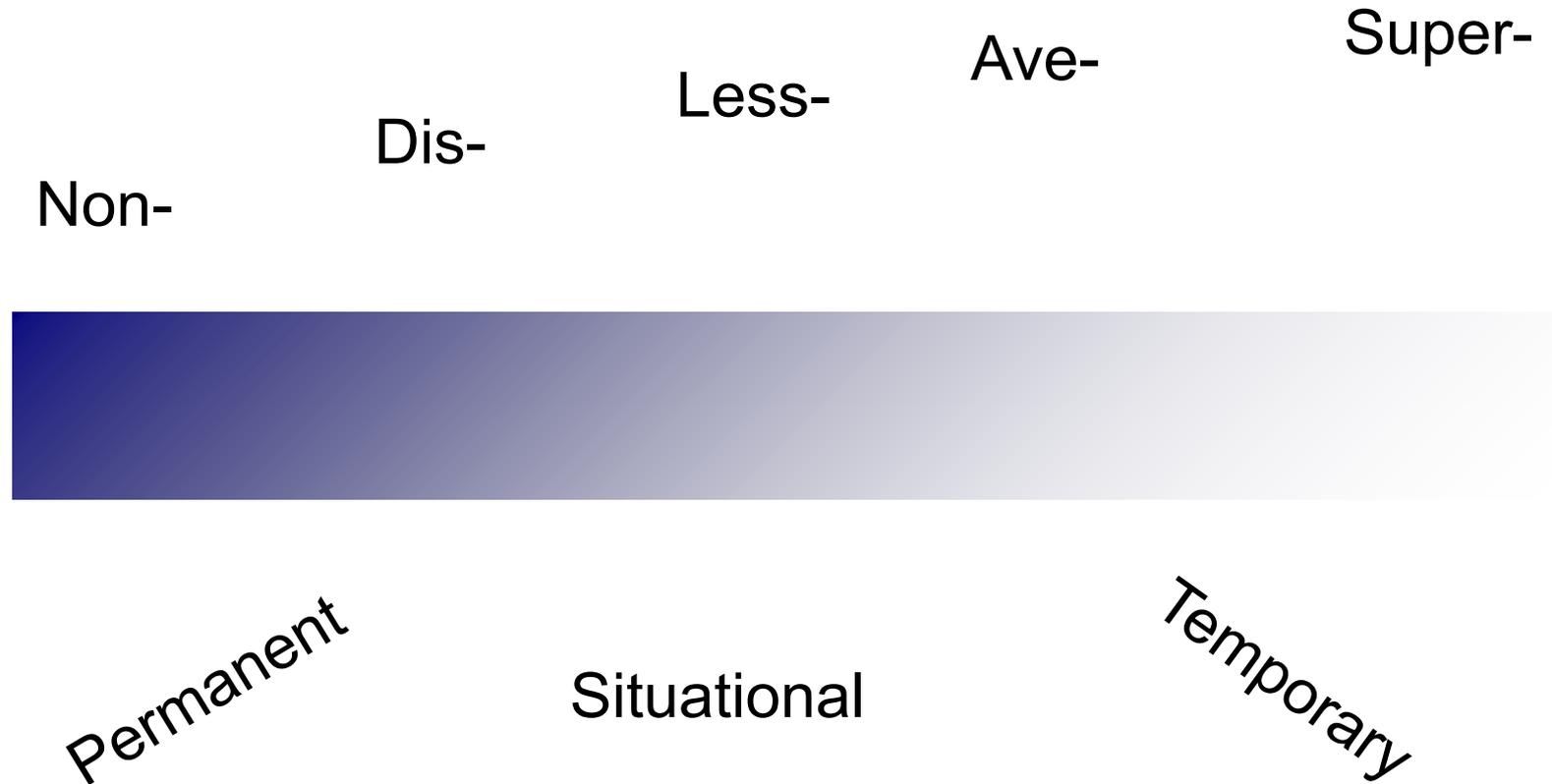


Colour Blind 3?





Ability Spectrum





Why?



- Moral – the right thing to do
- Financial – reaches everyone
- Legal – potential for court case
- Inclusive – better for everyone



Accessibility

A decorative graphic consisting of several overlapping, curved lines in shades of green and yellow, located in the top-right corner of the slide.

Computing
for
people
with
disabilities



Accessibility

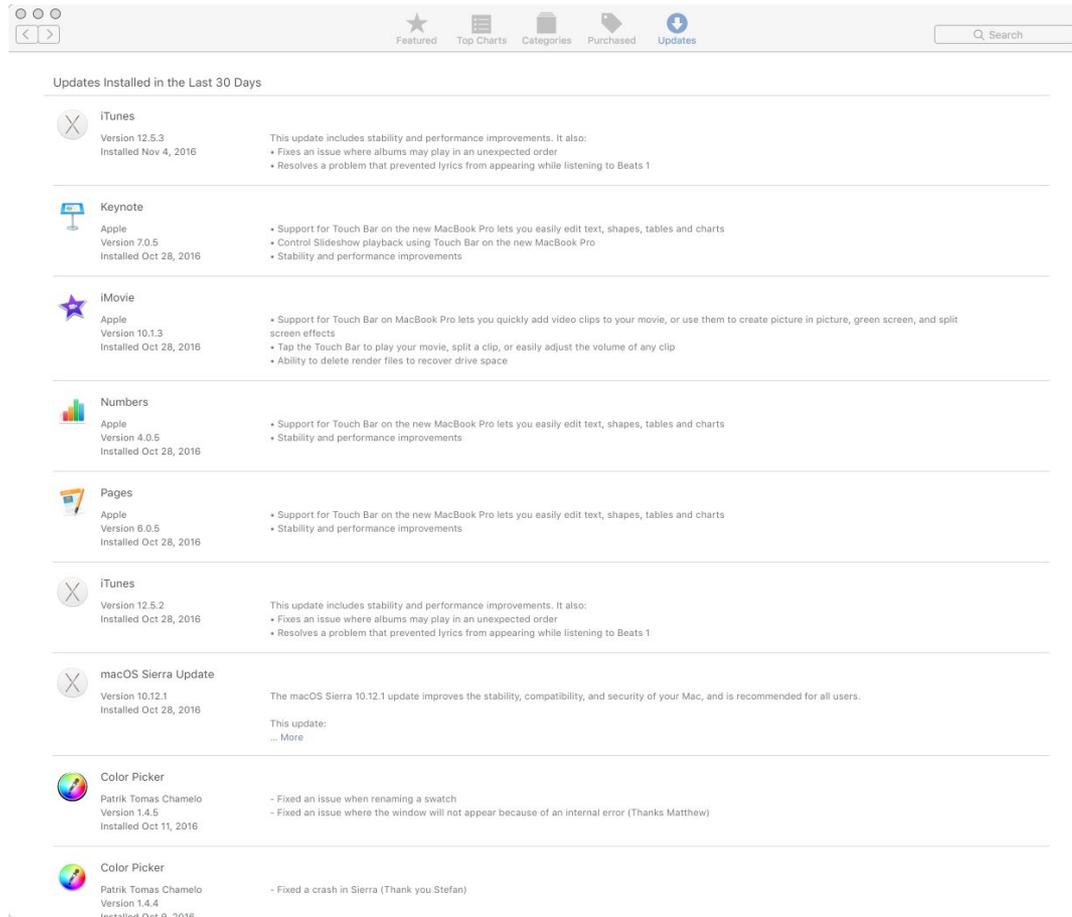


Assistive
Technology

Computing
for
people
with
disabilities

Inclusive
Design

Check Contrast



The screenshot shows the macOS App Store interface. At the top, there are navigation icons for 'Featured', 'Top Charts', 'Categories', 'Purchased', and 'Updates', along with a search bar. The main section is titled 'Updates Installed in the Last 30 Days' and lists several updates:

- iTunes** (Version 12.5.3, Installed Nov 4, 2016): This update includes stability and performance improvements. It also:
 - Fixes an issue where albums may play in an unexpected order
 - Resolves a problem that prevented lyrics from appearing while listening to Beats 1
- Keynote** (Apple, Version 7.0.5, Installed Oct 28, 2016):
 - Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts
 - Control Slideshow playback using Touch Bar on the new MacBook Pro
 - Stability and performance improvements
- iMovie** (Apple, Version 10.1.3, Installed Oct 28, 2016):
 - Support for Touch Bar on MacBook Pro lets you quickly add video clips to your movie, or use them to create picture in picture, green screen, and split screen effects
 - Tap the Touch Bar to play your movie, split a clip, or easily adjust the volume of any clip
 - Ability to delete render files to recover drive space
- Numbers** (Apple, Version 4.0.5, Installed Oct 28, 2016):
 - Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts
 - Stability and performance improvements
- Pages** (Apple, Version 6.0.5, Installed Oct 28, 2016):
 - Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts
 - Stability and performance improvements
- iTunes** (Version 12.5.2, Installed Oct 28, 2016): This update includes stability and performance improvements. It also:
 - Fixes an issue where albums may play in an unexpected order
 - Resolves a problem that prevented lyrics from appearing while listening to Beats 1
- macOS Sierra Update** (Version 10.12.1, Installed Oct 28, 2016): The macOS Sierra 10.12.1 update improves the stability, compatibility, and security of your Mac, and is recommended for all users.
This update:
... More
- Color Picker** (Patrik Tomas Chamelo, Version 1.4.5, Installed Oct 11, 2016):
 - Fixed an issue when renaming a swatch
 - Fixed an issue where the window will not appear because of an internal error (Thanks Matthew)
- Color Picker** (Patrik Tomas Chamelo, Version 1.4.4, Installed Oct 9, 2016):
 - Fixed a crash in Sierra (Thank you Stefan)

Images



A reminder that Hampstead Chamber Choir's concert is this Saturday, November 5th, at 7:30 in St. Peter's Belsize.

Three of our singers will be performing lieder by Schubert, Schumann and Strauss; Lydia Melleck, our accompanist will play music by Grieg and Bargon; and the choir will sing some of Brahms' most beautiful pieces including *Four Quartets*, and *Song of Destiny*.

We are looking forward to the evening and hope you can share it with us!

Best wishes,
Anne
www.hampsteadchamberchoir.org

 HAMPSTEAD CHAMBER CHOIR
DOMINIC BRENNAN MUSICAL DIRECTOR



O SCHÖNE NACHT
CHORAL MUSIC OF BRAHMS
SCHICKSALSIED VIER QUARTETTE MARIENLIEDER

LYDIA MELLECK PIANO
MUSIC BY GRIEG AND BARGONI

Saturday November 5 2016 7:30 p.m.
St. Peter's Church Belsize Park London NW3 4HJ
Tickets £12 Concession £10 Under 16 free with an adult
Save money by booking at www.hampsteadchamberchoir.org

Painting: Lake Scene by Moonlight Arthur Gilbert



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Documents

How do we market. Send Higher Education Council, PGC join HGA. Contact press via BCS press officer.

Action Suzette Keith David Rippon: Make changes to announcement by 20 Jan finalised version to be distributed by 25 January.

Action David Rippon: to contact BCS press office about conference.

Action Jeff Hughes: Organise recording of conference and editing.

4. Best Practice Committee Feedback – P. Abrahams

PA has attended several committee meetings.

He will be leading a stream at the Roles Convention, 28 January, looking at the Disability Support and Community Officer role. Howard Leicester, Jeff Hughes, Cornelia Boldyreff and Margaret Ross will be presenting on the stream.

5. DASG Strategy Survey

Jean Irvine and David Rippon have produced a set of question for the survey looking at what DASG should be concentrating on for the next two years. Questions based on the BCS five pillars. Committee happy with questions, DR will send out test version of survey and then get it distributed to full membership.

Action David Rippon: create survey and distribute.

6. BCS Academy – G. McMullen

Carried forward

7. Turing Lecture – G. McMullen

Carried forward

8. Alliance for Digital Accessibility – P. Abrahams

The Alliance for Digital Accessibility is chaired by Kevin Carey and sponsored by BIS. It is waiting a budget and is presently dormant.

Miss Lewis suggested that the DASG send a letter to Kevin suggesting support and

Drop kerb a11y





UK Stats



- 7 million working age are registered disabled
- Of those only 45% in work (cf 80% of overall population)
- 11 million below digital skills threshold



Accessible to Whom

A decorative graphic consisting of several overlapping, curved lines in shades of green and yellow, positioned on the right side of the slide, partially overlapping the title area.

- Customers
- Clients
- Students
- Employees
- Developers
- Designers
- Elders
-
-



Simple A11y Checks



- Correct tab sequence
- Zoom text
- Captions on videos
- Alternate text for pictures
- Accessible PDFs
- Fast Flashing
- Check Contrast



Simple A11y Checks



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Correct Tabbing



Zoom Text





Education

A decorative graphic consisting of several overlapping, curved lines in shades of green and yellow, positioned on the right side of the slide.

- Digital Accessibility MOOC
- BCS Digital Accessibility -Web Essentials
- First Seven Steps to accessible websites
- First Seven Steps to accessible mobile apps

Useful Organisations



- BCS Digital Accessibility SG
- Business Disability Forum
- AbilityNet
- Open Inclusion
- AXSChat

Useful Links



- Cambridge University Inclusive Design Toolkit
- Colour blindness Test
- Understanding WCAG 2
- Webaim WAVE
- BS 8878: 2010 - Web accessibility code of practice

Inclusive



- Thinking about accessibility
- Creates accessible systems
- Creates more usable systems
- Essential for some
- Better for all

Questions



- Thank you
- Questions