Intel and Accessibility

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AGENDA

- Intel’s Accessibility Policy
- Intel’s Role
- Example Projects
- Conclusions

INTEL ACCESSIBILITY POLICY

Intel is committed to a culture of accessibility. We believe that technology can profoundly improve the quality of people's live.

By considering accessibility during product development, Intel designs products that are accessible to a wider range of users – including children, the growing senior population, and people with diverse abilities.

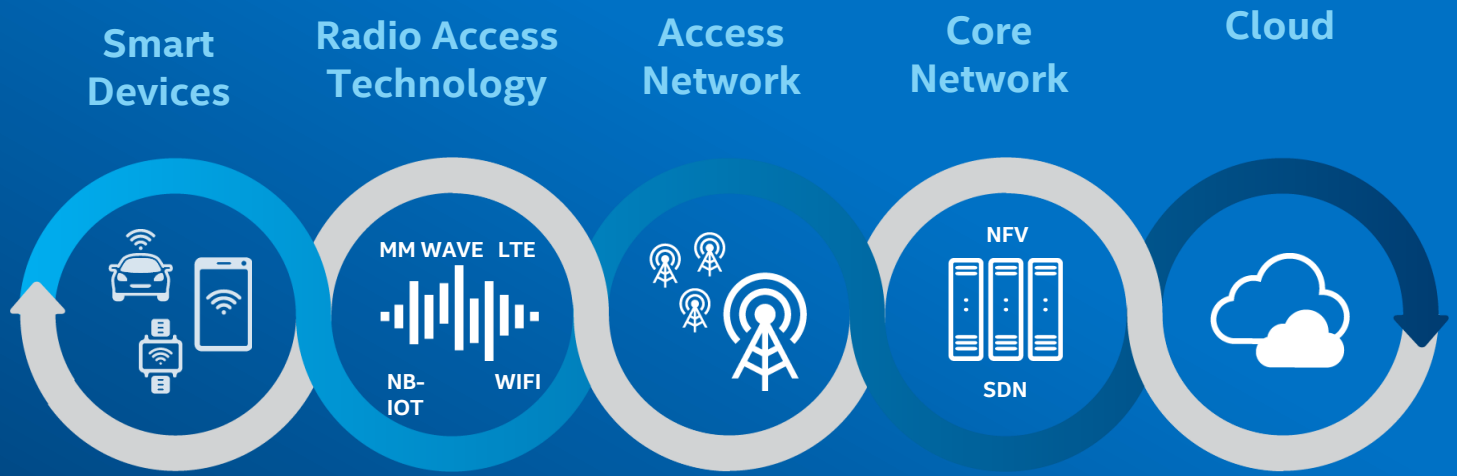
We embrace the use of science and technology to help reduce barriers so that people with disabilities are able to perform tasks that would otherwise be difficult or impossible.

Intel is also committed to supporting and empowering job applications and employees with diverse abilities and functional or access needs.

2018 LEADING DISABILITY EMPLOYERS

INTEL'S ROLE: NETWORKS AND ACCESSIBILITY

Intel powers the connected world from the cloud to the network to the devices at the edge. 5G and AI will enable a new generation of user experiences for people of all abilities.



NEW TECHNOLOGIES AND ACCESSIBILITY

Emerging technologies will transform the way we access and share information with others.

5G

- These new networks will provide the bandwidth and low latency needed to support large networks of autonomous vehicles that will democratize global transportation
- Broader access for people of all abilities, combined with new types of connected devices will create new opportunities for remote education and employment on a global scale

AI

- A new generation of intelligent assistants will connect people with information using custom-fit communication methods
- Predictive, anticipatory algorithms will better understand our needs, simplifying our interactions with technology and paving the way for new user experiences

AR/VR

- With proven potential in retail and education, virtual reality can also drive equality in social contexts enabling people and groups to engage free from stereotypes and physical limitations
- Augmented reality systems can provide contextual sensory details for people with sensory deficits

STEPHEN HAWKING: INTEL HELPED GIVE HIM HIS VOICE

At his 71st birthday celebration, Stephen Hawking was presented with a commemorative 300-millimeter silicon wafer by Martin Curley, vice president of Intel Labs Europe.

Custom PC created for Stephen Hawking

- Intel made Stephen Hawking's speech system open source; Anyone in the world to make improvements to the technology. With a computer, an idea, and some motivation.
- There are over 3 million people who live with motor neuron disease and quadriplegia.

https://newsroom.intel.com/news/stephen-hawking-intel-helped-give-voice
https://opensource.com/business/15/8/open-source-intel-speech-system

ARTIFICIAL INTELLIGENCE - MOBILITY FOR QUADRIPLEGIC COMMUNITY

- The HOOBOX Robotics' Wheelie 7* kit powered by Intel artificial intelligence (AI) enables people to control their motorized wheelchairs with simple facial expressions.
- More than 60 people in the United States are currently testing the Wheelie 7

https://newsroom.intel.com/news/intel-artificial-intelligence-opens-door-mobility-quadriplegic-community/

GARI: GLOBAL ACCESSIBILITY REPORTING INITIATIVE

- Intel is a member of the Mobile Wireless Forum (MWF)
- MWF's GARI (Global Accessibility Reporting Initiative) helps people find accessible devices and applications.
  - Consumers can find devices (phones, tablets, connected wearables, Smart TVs and apps) with the accessibility features that work best for them.
  - Please help drive awareness for GARI. This is a powerful accessibility resource.
  - https://www.gari.info

CONCLUSION

- Intel is committed to a culture of accessibility. We believe that technology can profoundly improve the quality of people's lives.

- Accessibility is aligned with Intel's vision: to bring smart, connected devices to every person on earth and enrich their lives.

- To meet these objectives, we need new solutions (5G, AI, AR/VR. etc) and sound policies to accelerate the implementation of these new technologies.

DISCLAIMER

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at [most relevant URL to your product].

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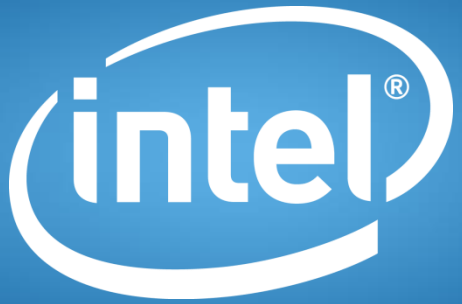
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