How Signal Processing Affects Our Daily Lives

Signal processing touches our daily lives in more ways than we realize. There are countless applications and devices that utilize signal processing to make our technologies work.

Signal processing drives the invisible, visible. It helps mine data from social networking feeds, enabling you to discover trending topics and share new ideas.

In 2032 and beyond, companies like Facebook will have brain-computer interface engineers to create a "communications platform of the future" using signal processing.

The FAA estimates as many as 7,500 small commercial drones, which utilize signal processing, could be operational within five years or so. In 2021, automated vehicles will weigh more than 80% of those used in the U.S. in 2018.

Signal processing helps remove background noise, increase audio quality and make way for voice recognition technology.

Automakers are partnering with tech powerhouses with ambitions to produce affordable autonomous cars—driven by signal processing—by 2020.


Digital signal processing improves the image quality and resolution in important medical imaging technologies like x-rays, CT scans and MRIs while reducing the power of the illuminating signal.

Want to learn more about the science behind our digital lives? Visit signalprocessingsociety.org.