Dale Scott Marion

Presentation Abstract

January 04, 2019



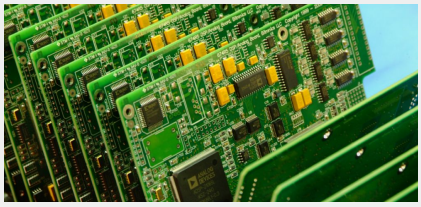
Title: The E-Waste Crisis, How Technology Can Solve Its Own Problem.

The E-waste recycling industry is in serious trouble, there is a wave of raw materials entering the waste stream that could cripple even the largest e-waste facility. As computer circuitry becomes ubiquitous to our lives and begins to invade our toasters, irons, dishwashers, toilets, clothing and backpacks, the typical e-waste stream that we know now, will become more complex and much less profitable. With so much cheaply made circuitry becoming the norm for all of our appliances it is inevitable that these electronics will soon become waste. Recyclers are already dealing with the growing complexity of the e-waste stream, How ironic it is, that

technology which will eventually be recycled, is today's answer to dealing with this highly complex waste dilema. - Presentation Length 45 min.

Key Points Covered:

1. The Tidal Wave Of Cheap E-Waste
2. Volume vs Value - Who Can Keep Up
3. The Numbers Were Wrong? - Overview of past Worldwide Projections and the Reality We Are At Today.
4. Distribution Of Responsibility - An Opportunity For Everyone
5. How AI and Machine Learning Will Save Us.
6. Question / Answer
7. Closing - A truly circular future for e-waste



Dale Scott Marion

Founder / President Pfane Scientific and Founder The Pfane Environmental Association



A pioneer in innovation and technology!

From an early age Mr. Marion was a designer, putting his creative talent to work immediately after high school. Dale won numerous first place awards for branding design, light engineering and dynamically driven web applications. Being an inventor at heart, Dale spent most of his 26 years in IT and tech development, where he developed numerous technologies mainly focused around advertising, marketing, process management and IT security.

List Of Works

- 2001 Developed and patented Holo-FX (first 3d holographic / 360 degree viewable auto-stereo display system)
- 2003 Completed development on Nuva Multimedia Management Platform (Digital signage player application with anti crash and auto revive technology built in.)

- 2006 Built The first automated computer vision tracking and reporting system using facial recognition to database advertising views and interests. Nuva VIDA and Nuva AVITAR)
- 2008 Built the first digital file distribution system for secured video content to be delivered to USB and Flash drives through a stand alone Kiosk system called Flix On Stix.
- 2010 Completed online system to secure documents, video files, audio files and deliver secured controlled content via web which received a 1million year security rating from the highest ranks in US Government IT evaluation.
- 2014 Completed and patented the first ever Augmented Reality treasure hunting application called SpareCash - which allows brands to draw thousands of visitor to brick and mortar venues with incredibly predictable results. Allowing vendors to quantify return on advertising investment and realize lower customer acquisition and retention costs.
- 2016 Developed a new means of recycling electronic equipment and software to track the full process of recycling to a component and sub component level, tracking every gram of extracted material output from tons of material input. (Pfane Scientific SRL)
- 2018 Patented Computer Vision System to accurately identify and categorize e-waste from photos of truckloads of waste known as ViewPasTM

Dale is a current member of IHIQS and TORR Association, founding member of Pfane Environmental, a research and development facility in pursuit of solutions to bridge the gap to a true circular economy.

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