EPISODE 7: SHOW NOTES AND ACTION ITEMS

In Episode 7, "Smarter and More Independent Robots", we hear from Lou Frenzel, a contributing Communications Technology Editor for *Electronics Design* magazine, who explains that:

> Smarter means that the robot has more intelligence and can perform work more on its own. In the past robots were primarily programmed by engineers or technicians, and the programming defined very specifically what the robot could do. Since then, it's improved considerably, because now we have much better software. We have things like machine learning and artificial intelligence. And this helps robots become more intelligent, so that they can work on their own.

At the same time that robots are becoming smarter and more responsive to their surroundings, they are also becoming more complex. A different technician skill set will be needed. As some tasks are assumed by robots, new tasks in robot maintenance and programming will evolve.

Episode 7 Action Items

One of the things we discovered today was that machine learning is an important aspect of smarter and more independent robots. To get yourself up to speed on machine learning, here are two reference sources that are a reasonable starting point:

- Machine Learning: What It Is and Why It Matters, https://www.sas.com/en_us/insights/analytics/machine-learning.html
- An Introduction to Machine Learning by Lisa Tagliaferri, Digital Ocean, https://www.digitalocean.com/community/tutorials/an-introduction-to-machine-learning