

## **Amy Elliott**

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Amy Elliott has worked at Oak Ridge National Lab's Manufacturing Demonstration Facility since 2013. There she consults with industry on strategic applications of 3-D printing technology, and conducts research in the area of binder jetting, exploring new materials systems in ceramics and metals. She is also the STEM outreach representative for the facility.

In addition to her work at ORNL, Amy serves as an on-camera expert for the Science Channel's Outrageous Acts of Science, and as co-host for the new web series, "RoboNation TV," which showcases the latest research in robotics, along with international collegiate competitions focused on automated vehicle systems.

After receiving a bachelor's degree in Mechanical Engineering from Tennessee Tech, Amy received a doctorate from Virginia Tech University. In 2010, she was awarded the Graduate Assistance in Areas of National Need (GAANN) Fellowship from U.S. Department of Education.

While working on her doctorate, Amy was project lead on the world's first 3-D printing vending machine, the DreamVendor, which debuted in spring, 2012. She also has several patents pending related to 3-D printing technology.

Amy placed second of 10 contestants, on the Discovery Channel's, "The Big Brain Theory," a reality show competition that pits teams of engineers in designing and building complex designs, such as water fall elevators and automated food-making machines. She won five-of-eight blueprint challenges, leading her team to victory in all but one challenge.

While at Tech, Amy participated in the Baja SAE and NASA Moon Buggy competitions. She completed two years of co-op terms at NASA's Marshall Space Flight Center, during which time she worked for six months as an apprenticed machinist.

At home, Amy enjoys tinkering with her various 3-D printers and working on random inventions. She also enjoys the outdoors and loves to snowboard, kayak, wakeboard, hike, backpack, or anything that seems slightly adventurous.