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Ordnance Corps: CMF 89 Explosive Ordnance Disposal

Since July of 2016 I have been assigned as a Guest Scientist at Los Alamos National Laboratory under the Training With Industries (TWI) Program. Los Alamos National Laboratory has proven to be a challenging and rewarding assignment in which I have found myself at the cutting edge of technologies pertinent to the Explosive Ordnance Disposal career field. In the last 7 months I have had the pleasure of working in an applications group that conducts research at the DOE "Q" and SCI levels. The group "uses a broad range of engineering and scientific expertise to support nuclear counter proliferation (NCP), nuclear counter terrorism (NCT), and nuclear emergency response (ER) missions. The Group contributes to national programs intended to protect, deter, and respond to weapons of mass destruction through tailored training and by using specialized applied electromagnetic solutions, rapid prototyping, designing/building/testing/delivering tools and trainers along with novel safing technologies, RF solutions, and cyberphysical applications". While the specifics of the work performed are classified, the groups "core expertise includes pulsed power; EMP effects; nuclear weapons engineering; weapons effects and materials; predictive/hydrodynamic modeling and testing; firing and penalty systems; x-ray and non-destructive evaluation of threat devices; applied physics; advanced RF systems; powerline communications; novel electronics; 3-D printing of specialized components and cyber assessment/response technologies". (int.lanl.gov/org/padgs/threat-identification-response/analytics-intelligence-technology/a-3/index.shtml)

Submitted By MSG Ryan Bofman, 89D, US Army Student Detachment (USAD), Fort Jackson, SC.

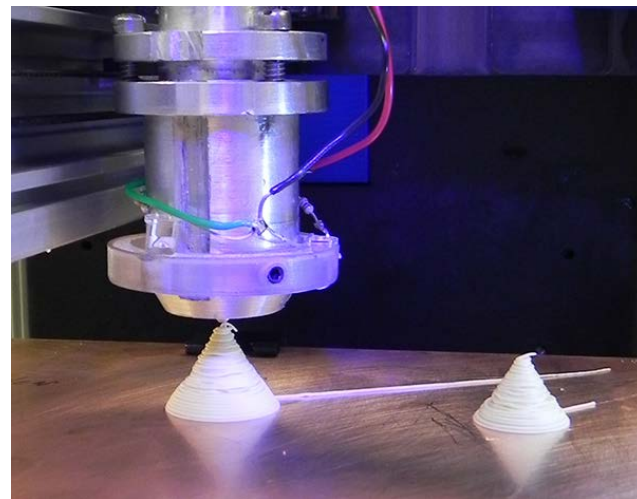


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