

Biography:

Brandon Henderson received his BS in chemistry from Florida Southern College in Lakeland, FL. Soon afterward he joined the US Army and served for six years including two deployments to Iraq totaling 26 months. He was honorably discharged and pursued graduate studies at Texas State University. He was awarded his MS in chemistry in 2011 and PhD in Materials Science, Engineering, and Commercialization (MSEC) in 2015. He accepted a position at Raytheon Missile Systems in Tucson, AZ where he currently works as a Senior Multi-disciplined Engineer.

Abstract:

The topic of energetic materials will be discussed. A brief and general overview will be given regarding types of energetic materials and processes used in their manufacture. Particular attention will be given to some significant considerations of propellants including signature, energy, combustion and mechanical behaviors.