

## **Industrial Applications of Electron Beam Processing: A Perspective from E-BEAM Services**

Sam Strotman & Gustavo H. C. Varca

*<sup>1</sup>E-BEAM Services, Inc., Lebanon, OH, 45036*

Electron beam technology has been used for a myriad of applications, including industrial and medical use for over decades. When it comes to industrial applications, accelerators offer unique versatility depending upon their energy and power, among other features. This talk addresses E-BEAM Services' Inc. views and perspectives about the current applications of medium voltage electron beam accelerators in the USA market. Within this context, we highlight the company's experience in diverse market segments - Sterilization, decontamination, polymer crosslinking among other applications, while emphasizing challenges and opportunities for a broader use or adoption of this transformative technology. Current market trends, challenges, as well as availability of accelerators from an electron beam service provider point of view will also be addressed.