

Dr. Ade Makinde is currently a Principal Simulation Engineer at VulcanForms, Inc., a manufacturer of a novel additive manufacturing machine and supplier of parts to original equipment manufacturers in the orthopedic and aerospace industries. He is part of the management staff, and his current role is the application of numerical methods to optimize the additive parts build process and subsequent post-processing to meet desired property and performance requirements. Prior to joining VulcanForms, Inc., Dr. Makinde was a principal engineer at the GE Global Research Center from 1997 to 2022. While at GE, he supervised researchers in the use of finite element analysis, computational fluid dynamics, and the development of specialized numerical and microstructural tools to optimize manufacturing processes and part design for manufacturability. He was also part of the management staff responsible for overseeing the development of analytical tools and processes to aid the design of new products and parts for all of GE's businesses. Dr. Makinde worked closely with GE's suppliers using analytical tools to solve time-sensitive technical issues and to ensure that yield and quality targets were met.