

ENGINEER OF DISTINCTION

Tennessee Technological University

Byron A. Pardue

B.S. Mechanical Engineering,
Tennessee Technological University, 1989

M.S. Mechanical Engineering,
Tennessee Technological University, 1991

Ph.D. Engineering,
Tennessee Technological University, 1994

**Vice President of Product Development and Analysis,
IEM Power Systems**



Dr. Byron A Pardue was raised in Charlotte, Tennessee graduating from Dickson County High School in 1985. He is married to Dr. Sally Pardue and they reside in Cookeville, Tennessee with their three children Ryan, Kyle, and Sophia.

Byron graduated from Tennessee Technological University (TTU) in 1989 with a BS in Mechanical Engineering and continued at TTU receiving a MS in Mechanical Engineering in 1991. He received a NASA Graduate Student Research Fellowship to continue at TTU where he developed numerical models for solid rocket combustion with Dr. Sang Han, resulting in his PhD in Engineering in 1994.

Dr. Pardue was employed by Cummins Filtration (1994 -2004) holding various positions in the research and product design units. His professional service roles included being a member of the SAE Filter Test Standards Committee, serving as chairman of the group, and as representative to the ISO standards committee. In 2001 Dr. Pardue was promoted to Director – Research and Advanced Product Development. He completed a Certificate in Engineering Management from the California Institute for Technology Industrial Relations Center in 2004.

In 2005, Dr. Pardue founded PAR3 Technology, a product design consulting group. Over the next 7 years he worked with a broad range of companies to design new products and integrate numerical simulation into the design process.

Dr. Pardue joined IEM Power Systems in 2012 as Vice President of Research and Development. He currently works on the development of new technologies for critical power applications such as data centers. In this role, Byron travels to IEM locations in California, Florida, Canada, and Belgium, and is working with partnerships in Europe, Korea, and Australia to provide micro-grid power systems.

Dr. Pardue is an inventor on 12 US patents and has served as a business mentor for a TTU National Science Foundation Innovation-Corps team. Outside of the engineering world, he served on the Board of Directors for the non-profit Uplands Village for six years and was chair of the Board for three years.