

Dr. Joseph H. Koo
The University of Texas at Austin



Dr. Joseph H. Koo has over 30 years of industrial and academic experience in program and engineering management. Currently, he is Senior Research Scientist and Director of Solid Freeform Fabrication Consortium in the Department of Mechanical Engineering at The University of Texas at Austin, Austin, TX. He is also Vice President of KAI, LLC, Austin, TX. He received his Sc.D. in Mechanical Engineering from George Washington University in 1987. He is the Chairman of the SAMPE Nanotechnology Committee and SAMPE Fellow Elect. Dr. Koo is an Associate Fellow of AIAA member and Past-Chair of the AIAA Materials Technical Committee. He specializes in polymer nanostructured materials: processing, characterization, and applications; ablatives for thermal protection, flammability of polymeric materials; and numerical modeling of high-temperature composites, fire protective polymers, and insensitive munitions for fast cookoff of solid rocket motors. Dr. Koo has published over 250 papers in the area of materials, thermal, and optical sciences and recently a book, *Polymer Nanocomposites: Processing, Characterization, and Applications*, McGraw-Hill, New York (2006).