

Roger L. King

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Dr. King serves as the Director of the Center for Advanced Vehicular Systems (CAVS) and holds the CAVS Chair in Engineering within the Bagley College of Engineering. CAVS vision is to be a world-class center of excellence for research, technology and education utilizing high performance computational resources and state-of-the-art analytical tools for modeling, simulation, and experimentation. As the Director of CAVS, King is responsible for an interdisciplinary research center comprised of engineering, research, development, and technology transfer teams focused on enhancing human and payload mobility. The CAVS activities are clustered around material science, manufacturing process modeling, computational mechanics, computational fluid dynamics, multi-scale modeling, vehicular systems engineering, design optimization, human factors and ergonomics, and alternative powered systems. Research activities include efforts on vehicle weight reduction, improved crashworthiness, new power generation, autonomous vehicle control (robotics) as well as advances in improved diagnostics, manufacturing, human interface, and computational design technologies.

Dr. King is a member of the Executive Committee of Southern Growth Policy Board's Southern Advanced Materials in Transportation Alliance (SAMTA) and serves on the Board of Directors for the Mississippi Automotive Manufacturers Association and the Mississippi Energy Institute. At Mississippi State University, he holds the academic rank of William L. Giles Distinguished Professor in the Department of Electrical and Computer Engineering. Dr. King also is an Honorary Professor at the Cardiff University in the United Kingdom. Over the last 30 years, Dr. King has served in a variety of leadership roles within government and academia and has published over 200 papers and holds 4 patents.