

Dr. Joseph C. Chen

Prior to coming to Bradley in 2009, Dr. Chen was a professor at Iowa State University for 15 years. Since earning his M.S. and Ph.D. degrees in Industrial Engineering from Auburn University, Dr. Joseph C. Chen has authored or co-authored more than 160 peer-reviewed papers and book chapters. He has also given more than 60 presentations in the United States and throughout the world, such as in Canada, China, Germany, Japan, Taiwan, and Turkey. Dr. Chen has obtained over \$3.3M in funding from competitive sources to support his research and teaching.

He has three major areas of research: (1) adaptive control systems for automated machines; (2) six sigma based optimization systems manufacturing or service processes; (3) curriculum development to enhance education of lean manufacturing system design and six sigma methodologies.

With more than six years of industrial experience, Dr. Joseph Chen is able to develop curriculum to prepare students to meet industrial needs. He teaches courses in the areas of design for manufacturability, lean manufacturing methodologies, facilities planning, Integrated Supply Chain management, Taguchi parameter design and Six Sigma. His vision for teaching manufacturing involves developing a virtual factory to help students understand these concepts.

He is the recipient of the Samuel Rothberg Professional Excellence Award in 2018 and the Caterpillar Inc. Professorship in 2016 at Bradley University; the Superior Engineering Teaching Award (2009) and Outstanding Professor in ABE Award (2007), Early Achievement in Research Award (2000), Early Achievement in Teaching Award (1998) at Iowa State University; Best Paper Award, Manufacturing Division, American Society of Engineering Education (2008 and 2010); and Year of Merit, Society of Manufacturing Engineering (2007). He is a Registered Professional Engineer (Manufacturing Engineering) with the State of Iowa.

In addition to his teaching and research responsibilities, Dr. Chen serves as Chairman of the Industrial & Manufacturing Engineering & Technology Department.