



Danny S. Parker

Danny Parker is Principal Research Scientist at the Florida Solar Energy Center (FSEC). He specializes in collecting and analyzing measured data taken from residential buildings and energy-using equipment to determine how efficiency and renewable sources can dramatically lower energy needs. Parker has spent the last 30 years of his career in the field of building systems energy-efficiency research with the last 19 years at FSEC. He has been involved in a variety of evaluations of advanced technologies in buildings, from detailed laboratory studies of energy using systems to large-scale utility residential monitoring projects. These have included pioneering work on cool roofing materials and design, implementation and monitoring of the first Zero Energy Home in Florida which served as the inspiration for the U.S. Department of Energy's Zero Energy Homes program. He has also developed a patented high efficiency ceiling fan which was the genesis of the U.S. EPA Energy Star program for ceiling fans. The *Gossamer Wind* ceiling fans has represented the most valuable single asset of intellectual property marketed by the University of Central Florida, with over a million of the fans sold in three years. He is also widely published with over a hundred conference and peer-reviewed publications spanning his career. Based on these accomplishments, in 2004, he was selected as the Distinguished Researcher Award for research institutes by the University of Central Florida.

An undergraduate in Environmental Studies from Florida International University, he holds a Master's Degree in Environmental Science from the University of Montana. He currently is a member of the U.S. Department of Energy's Building America program, where he conducts research to develop and evaluate advanced technologies for residential applications