



James Donald

James O. Donald, PE, is the recipient of the 2020 Henry Giese Structures and Environment award for his work improving the profitability of live bird production and increased efficiencies in housing, energy, equipment, and environmental control.

Donald is a professor emeritus in biosystems engineering at Auburn University. Throughout his career, he developed solutions to a variety of engineering challenges faced by US farmers. His work has addressed housing systems in which chickens are produced, a major challenge that directly affects the profitability of poultry production.

Donald's career is characterized by his pioneering work on poultry housing, design of safe structural systems for the poultry industry, and environmental controls. Donald became the founding director of the National Poultry Technology Center (NPTC) in 2008. Under his leadership, the focus of NPTC expanded to include new energy sources, equipment advances for optimal environmental conditions for birds, improved designs that will ensure long-lasting facilities, and engineering issues during live production that may affect the quality of poultry products. Donald's career has had major impacts on engineering aspects of poultry production in the US and worldwide. While director of the NPTC, Donald helped expand the Center's focus to include new energy sources, equipment advances for optimal environmental conditions for birds, improved designs that will ensure long-

lasting facilities, and engineering issues during live production that may affect the quality of poultry products.

Donald is a 50-year member of ASABE. He also maintains membership within the Alabama Chapter of ASABE, the International Association of Electrical Inspectors, the Alabama Extension Specialists Association, and the Alabama Poultry and Egg Association Board of Directors.

Donald is author or coauthor of more than 150 peer-reviewed articles and extension publications. Most notably, he coauthored Poultry House Ventilation Guide, which has been translated into 6 languages with over 100,000 copies printed. Throughout his career, Donald has been recognized with a number of teaching and industry awards. He received the Alabama Farmers Federation Cultivator award for Outstanding Leadership and Contributions to Alabama Production Agriculture and was named the 2017 Senior Engineer of the Year award by the Alabama Section of ASABE. He has also received three ASABE Educational Aids Blue Ribbons and the Auburn University College of Agriculture Dean's Team Project award.