

Dr. Carol Jones joined the Biosystems and Ag Engineering Department at Oklahoma State University in the summer of 2006. She has a 50% research, 30% extension and a 20% teaching appointment.

Dr. Jones' research and extension programs include:

- Grain and Agricultural Products Storage and Handling
- Electromagnetic Sensing
- Modeling of Forces and Temperature/Air Movement within Storage Structures
- Logistics modeling
- Safety and rescue techniques and equipment for grain storage facilities
- Equipment, training and research in pest management for grain and seed storage and handling

Dr. Jones' research and extension program is known internationally. She is one of only a few grain storage experts in the United States focusing on engineering methods to keep grain and seed in the best quality possible while keeping the work environment safe. The connection between grain condition and safety for both structures and workers is a strong motivation for the equipment research and training she provides. She has lectured in 10 different countries including the Middle East, Europe, and South America. Her dielectric sensing research has resulted in methods used for quality assessment and insect identification. New and unique force modeling techniques are a current focus for her lab and will lead to new safety equipment and methods for determining storage structure viability. Dr. Jones teaches a Physical Properties of Biological Materials class, an Elementary Dynamics Engineering Science class and a Brazil Study Abroad Class for engineering students each year.

Carol is a native Oklahoman raised in the wheat fields of northwest Oklahoma. Her BS and PhD degrees are from Oklahoma State University in Agricultural Engineering. She has worked in the energy industry as a mechanical design engineer and marketing/sales manager and in the ag industry as a wheat and cattle producer before returning to OSU as a faculty member. She also does forensic engineering and expert witness consulting for the ag product storage and handling industry. She is a mom and a new grandma, and enjoys dressage and trail riding on her horse Freckles as well as therapy dog training with her favorite canine Otis.