



Application of Advanced
Genetic Technology in Beef Cattle

February 22-23, 2018 || Kissimmee, Florida

Thursday, February 22, 2018

- 8:00 AM** Welcome and Introductions
Step 1: Developing a Breeding Objective
- Identifying environmental constraints
 - Identifying marketing objectives
 - Economically relevant and indicator traits
 - Developing a breeding system: Crossbreeding
 - Breed selection
- 10:15 AM** **BREAK**
- 10:30 AM** Step 2: Animal/Sire Selection
- Deciphering actual measurements, adjusted data, and ratios
 - Fundamentals of Expected Progeny Differences
 - Comparing EPD across breeds
- 12:00 PM** **LUNCH**
- 1:00 PM** Selection Decision Risk Management
- The concept of accuracy
 - Possible change and confidence intervals
 - Multiple trait selection strategies
 - Utilization of Selection Indices
- 3:00 PM** **BREAK**
- 3:15 PM** Interactive Sire Selection Scenarios
- 5:00 PM** **ADJOURN**



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- 8:00 AM** Genomics 101: Definition and simple uses
- Understanding the genome
 - What is a SNP?
 - Parentage
 - Defect Management
 - Genomically enhanced EPDs
- 10:15 AM** **BREAK**
- 10:30 AM** Applications of genomic tools by commercial producers
- Sire Selection
 - Replacement selection
 - Marker-Assisted Management
 - Future directions
- 12:00 PM** **ADJOURN**