Part 7. Optional Lab
1:30 p.m. Boxed lunch at the Stanley Stout Center
1:45 – 4:45 pm - Stanley Stout Center – separate fee

Topics –
1. A tutorial on semen quality
2. Cow-side semen handling
3. DNA testing 101
4. Reproductive tract scores
5. A closer look at the “hows” of pregnancy detection
6. Pregnancy Analytics App
7. Estrus Synchronization Planner & Management Minder

Participants will rotate through 5 of 7 lab stops. Size of some sessions will be limited; order of receipt of registration will be used to determine priority if needed. Pregnant tracts will be available to try various ultrasound machines. This will not be a “how to” ultrasound session, rather an opportunity to see different machines and features in action.

Continuing Education:
This meeting is approved for 9.5 hours of CE contact for veterinarians with an additional 1 hour of CE contact for those participating in the wet lab.

The American Registry of Professional Animal Scientists (ARPAS) has approved the meeting for 7 CEU’s.
Tuesday August 29th

8:00 a.m. Welcome - Ken Odde, Kansas State University, Head, Department of Animal Sciences and Industry

Part 1: Foundational principles
8:05 a.m. Physiology of the estrous cycle – Jeff Stevenson, Kansas State University
8:40 a.m. Estrous synchronization protocol evolution and practical application - Dave Patterson, University of Missouri
9:10 a.m. General management considerations to improve success of AI – Rick Funston, University of Nebraska

Part 2: Application
9:40 a.m. Characteristics of successful breeding programs – AI industry perspective – Sandra Levering, ABS Global, Protection, KS
9:55 a.m. Characteristics of successful breeding programs - A veterinarian perspective – Randall Spare, DVM, Ashland Veterinary Service
10:10 a.m. Break & Trade Show
10:40 a.m. How we make reproductive technologies pay; heifer development perspective – Doug O’Hare, O’Hare Ranch, Ainsworth, NE
10:55 a.m. How we make reproductive technologies pay; commercial perspective – Barb Downey, Downey Ranch, Wamego, KS
11:10 a.m. How we make reproductive technologies pay; seedstock perspective - Galen Fink, Fink Beef Genetics, Randolph, KS
11:25 a.m. Questions / Discussion
Noon Lunch (provided) and visit Trade Show

Part 3. Nutritional components
1:15 p.m. Heifer development strategies and targets – John Hall, University of Idaho
1:45 p.m. Mystery and magic of mineral programs – John Arthington, University of Florida
2:15 p.m. Impact of nutrition, behavior and other stressors on embryonic loss and fertility - Reinaldo Cooke, Oregon State University
2:45 p.m. Break & Trade Show

Part 4. The male side
3:15 p.m. Predicting and promoting fertility in beef bulls – John Kastelic, DVM, University of Calgary
3:45 p.m. Developing breeding bulls for the commercial cattleman – Dan Larson, Great Plains Consulting
4:15 p.m. Commercial aspects of sexed semen – George Seidel, Colorado State University
4:45 p.m. Q & A
6:00 p.m. Social (cash bar) Stanley Stout Arena—Please pick up directions to the Stout Center at the registration table before you leave.
6:30 p.m. Steak dinner, Announcement of Service to Industry Awards
7:30 p.m. Discussion groups
8:30 p.m. Adjourn

Wednesday – August 30th

6:45 a.m. Breakfast served- Sponsored by Zoetis
7:00 a.m. Join Zoetis for breakfast and a program discussing GeneMax Advantage featuring Angus breeder Jim Collins, Cusseta, AL.

Part 5. Systems and health
8:00 a.m. Reproductive and other emerging disease concerns – Gregg Hanzlicek, DVM, Kansas State University
8:30 a.m. Systems approach to animal health – Dave Smith, DVM, Mississippi State University
9:00 a.m. Pregnancy diagnosis in cattle: when, why and how – Ky Pohler, University of Tennessee
9:30 a.m. Feeding the future: How maternal nutrition impacts the next generation – Kim Vonnahme, North Dakota State University
10:00 a.m. Break & Trade Show
10:30 a.m. Embryo transfer: Managing recipients and donors - Cliff Lamb, Texas A & M University

Part 6. Leveraging genetics
11:00 a.m. Next on the horizon for genetic technology - Randy Prather, University of Missouri
11:30 a.m. Selection of replacement heifers – Bob Weaber, Kansas State University
12:00 p.m. Practical application of genomic tests in beef production – Megan Rolf, Kansas State University
12:30 p.m. Conference wrap up and head to lab (LAB is optional) or home

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