Tuesday September 19, 2017
4:30 pm  Program Committee/Moderators meeting – Prescott Room
5:00 - 7:00 Registration (Dinner on your own) - Atrium
7:00 – 8:00 Opening Session: Moderator: - Ballroom III, IV and V
Welcome Larry Miller, DISCOVER Conferences and DC33 Co-chairs James Tully, Pine Creek Nutrition Service and Mary Beth Hall, USDA-ARS
Keynote Speaker: History/How did we get here? Fiber energetics George Fahey, University of Illinois
8:00-9:00 Welcome Reception - Atrium

Wednesday September 20, 2017
7:00 am Continental breakfast – Atrium
8:00 Welcome and Announcements Larry Miller, ADSA Discover Conferences - Ballrooms III, IV, and V
8:05 Conference Introduction James K. Tully, Pine Creek Nutrition Service, Inc.
8:10 How are you going to get the most out of DC33? Marit Arana, A.L. Gilbert Company
8:30-12:15 Session 1: Plants & Climate  Moderator: Marit Arana, A.L. Gilbert Company
Basic plant physiology – where fiber comes from Ron Hatfield, USDA-ARS
9:15-9:45 Break
Crop modeling and impacts of changing climates on crop and forage growth Ken Boote, University of Florida
Discussion session from AM presentations
Breakouts – Ballrooms I, II, III, and Gallery
12:15-1:30 Lunch - Atrium
1:30-4:45 pm Session 2: Animals & Analysis  Moderator: James K. Tully, Pine Creek Nutrition Service, Inc.
Panel Discussion/Conversation from the break-out sessions of the morning. Barry Bradford, Kansas State University
2:30-3:00 Break
What do we know about how ruminants interact with fiber? State of the state of fiber analysis Dave Mertens, Mertens Innovation & Research LLC
Discussion/Day wrap up
4:45 Adjourn
4:45-5:45 Reception - Atrium

Thursday September 21, 2017
7:00 am Continental breakfast – Atrium
8:00 – 12:00 Session 3: Animal by Fiber Interactions: Impact of the Plant on the Animal Moderator: Bill Stone, Diamond V
What makes fiber effective? What do we need to know? Mary Beth Hall, USDA-ARS
How does fiber affect chewing behavior? Why does it matter? Karen Beauchemin, Agriculture and Agri-Food Canada
Q/A – Discussion – Conversation time
10:15-10:30 Break
Comparative non-ruminant fiber utilization Mark Edwards, California Polytechnic State University
Q/A – Discussion - Conversation
12:00-1:00 Lunch - Atrium
1:00 5:00 Session 4: Animal by Fiber Interactions: Getting the Most Out of Fiber  Moderator: Rick Grant, William H. Miner Agricultural Research Institute
Does fiber affect the rumen microbiome? What do we need to know? Paul Weimer, USDA- ARS
Energy metabolism and forage utilization Chris Reynolds, The University of Reading
Q/A – Discussion – Conversation time
3:00-3:30 Break
Ruminal and whole animal adaptations to seasonal changes in forages Garry Waghorn, Massey University
Discussion/Day Wrap up
5:00 Adjourn

Friday September 22, 2017
7:00 am Continental breakfast – Atrium
8:00-11:45 Session 5: Modeling Animals and Fibers  Moderator: Mary Beth Hall, USDA-ARS – Gallery Ballroom
What our models might tell us and what they don’t tell us Carl Old, A3 Cattle Company
Current state of modeling fiber utilization Rick Grant, William H. Miner Agricultural Research Institute
Q/A – Discussion – Conversation
9:45-10:15 Break
Are we measuring/analyzing for what we need to? Crude Fiber = 50+ years. Detergent System = 50+ years. Also, what didn’t get addressed from first day polling? Dave Mertens, Mertens Innovation & Research LLC and George Fahey, University of Illinois
11:45 Adjourn