

# OVERVIEW

## **SATURDAY, JUNE 16**

- 10:00AM-6:00PM      Registration open
- 12:00PM-9:00PM      TT#1 - Dairy Housing Tour -

## **SUNDAY, JUNE 17**

- 8:00AM-5:30PM      Registration open - Exhibit Hall B
- 12:00PM-12:10PM      Welcome, Conference Overview
- 12:10PM-12:30PM      Opening Presentation
- 12:30PM-3:30PM      Session One: Dairy Facilities
- 3:30PM-5:30PM      Break & Poster Session
- 4:30PM-5:30PM      SPECIAL PRESENTATION - Temple Grandin  
"Autism, Animals and Design"

## **MONDAY, JUNE 18**

- 8:00AM-5:00PM      Registration open - Exhibit Hall B
- 8:00AM-9:30AM      General Session with ASABE Annual International Meeting
- 9:30AM-12:15PM      Session Two: Milking Centers and Environment
- 12:15PM-2:00PM      Break
- 2:00PM-5:15PM      Session Three: Ventilation and Heat Abatement

## Saturday, June 16

**10:00AM-6:00PM**    **Registration open**  
Location:Exhibit Hall B

**12:00PM-9:00PM**    **TT#1 - Dairy Housing Tour**  
Tour departs from the Minneapolis Convention Center

Please be present 15 minutes prior to scheduled departure time of tour for check-in.

For biosecurity, tour participants are required to wear clean clothing for the tour and not visit a livestock farm for five days prior to the tour. Disposable plastic boots will be provided.

### **PLANNING COMMITTEE**

Joseph Zulovich, Chair  
Brian Holmes, Proceedings Chair  
Joe Harner, Program Chair  
Kevin Janni, Technical Tour

John Gilbert, Curt Gooch  
Robert Graves, Rick Stowell  
Ron Sheffield

Reviewers:  
David Kammel, Robert Graves  
Joe Zulovich, Joe Harner, Brian Holmes

# Sunday, June 17

- 8:00AM-5:30PM**     **Registration open**  
Location: Exhibit Hall B
- 12:00PM-12:10PM**     **Welcome, Conference Overview**  
Joseph Zulovich, Conference Chair  
Location: M100-C,D,E
- 12:10PM-12:30PM**     **OPENING PRESENTATION**  
"Implementing Dairy Housing Systems"  
Joseph Zulovich, Univ of Missouri
- 12:30PM-3:00PM**     **SESSION ONE: DAIRY FACILITIES**  
Moderator: Rick Stowell  
Location: M100-C,D,E
- 12:30PM**     **Influence of Facilities on Cow's Time Budget**  
J.F. Smith, M.J. Brouk
- 12:45PM**     **State of the Art Free Stall Designs: Do They Allow  
Lame Cows to Maintain Normal Patterns of Stall Use?**  
Marin S. M J, Schaefer M J, Mentink, R L, Banks R J,  
Calderon B D, Bennett T B, and Cook N B.
- 1:00PM**     **Planning and Design for Transition and Special Needs  
Cow Housing**  
David W. Kammel, Robert E. Graves
- 1:15PM**     **Comfort and Hygiene of Dairy Cows Housed in  
Freestalls Bedded with Processed Limestone  
Compared with Separated Manure Solids**  
Arnold Hippen, Alvaro Garcia, Wim Hammink, and Lowery  
Smith
- 1:30PM**     **The Effect of Lying Surfaces on Milk Yield and Udder  
Health in Norwegian Free Stalled Dairy Herds**  
Ruud, Lars Erik and Østerås, Olav
- 1:45PM**     **BREAK**
- 2:00PM**     **Recycling Digested Separated Solids for Bedding**  
Meyer, Daniel; Moody, Lara; Timms, Leo
- 2:15PM**     **The Dual Roles of Cow Comfort in the 'Get lame – Stay  
lame' Hypothesis**  
Nigel B. Cook
- 2:30PM**     **Large Scale Dairy Farming in the Netherlands:  
Economic Perspectives and Environmental Impact**  
H.J.C. van Dooren and P.J. Galama

# Sunday, June 17

- 2:45PM**                    **The Typical Layout of Dairy Farm in China**  
Sam Shi
- 3:00PM**                    **Packing Bunker and Pile Silos to Maximize Forage Preservation**  
Brian J. Holmes, Richard E. Muck
- 3:15PM-3:30PM**        **BREAK**
- 3:30PM-5:30PM**        **POSTER SESSION**  
Moderator: Rick Stowell  
Location: M101-A, B, C
- Poster #
- 1**                            **Improving Dairy Housing Facilities in Norway - an Interdisciplinary Research Project**  
Simensen E, Kielland C, Bøe K, Rud LE, Næss G
- 2**                            **Hydraulic Approach to Flush Systems for Dairy Manure Removal**  
Matteo Barbari, Paolo Ferrari, Elena Bresci
- 3**                            **Subclinical Mastitis Caused by Staphylococcus Aureus: Analysis Cost Benefit of Antibiotic Therapy in Lactating Cows**  
Zafalon, L.F.; Nader Filho, A.; Matarazzo, S.V.
- 4**                            **Optimization of Cow Sorting and Optimization of Cow Management Capabilities with Robotic Milking: the Eastern Canada Experience**  
Y Choiniere, C Lemay
- 5**                            **Biogas Production Fluctuations Associated with Feed and Mixing Times for a Complete Mixed Digester Processing Dairy Manure Pre-Blended with Food Waste**  
Scott F. Inglis, Curt A. Gooch
- 6**                            **Effect of Stall Base Type on Herd Health, Stall Bed Labor and Maintenance Costs, and Producer Satisfaction**  
Wendy K. Fulwider; Temple Grandin; W. Dennis Lamm; Terry E. Engle; Norman L. Dalsted; Dorian J. Garrick; Bernard E. Rollin
- 7**                            **Technical and Economical Analysis of Manure Management in Loose Housing Systems for Dairy Cows**  
Matteo Barbari, Paolo Ferrari, Paolo Rossi

## Sunday, June 17

- 8** **Effect of the Season at the Birth on the Performance and Health of Calves**  
Broucek, J. Mihina, S., Kisac, P., Uhrincat, M., Hanus, A., Soch, M., Travnicek, J.
- 4:30PM-5:30PM** **SPECIAL PRESENTATION - Temple Grandin**  
**“Autism, Animals and Design”**  
Location: Ballroom B

## Monday, June 18

- 6:00AM-5:00PM** **Registration open**  
Location: Exhibit Hall B
- 8:00AM-9:30AM** **General Session with ASABE Annual International Meeting**  
Location: Main Auditorium
- 9:30AM-12:00PM** **SESSION TWO: MILKING CENTERS AND ENVIRONMENT**  
Moderator: Joe Harner  
Location: M100-C,D,E
- 9:30AM** **Survey of Management Practices, Parlor Efficiency, Milk Quality, Teat Condition, and Hygiene of Typical Wisconsin Dairy Farm**  
Robert Bade, Katie Hohmann, Jose Pantoja, Pamela Ruegg, Douglas J. Reinemann,
- 9:45AM** **Remodeling a Tie/Stanchion Stall Barn for an Interim Milking Parlor**  
David W. Kammel, Vance Haugen
- 10:00AM** **Layout and Design Criteria for Robotic Milking Barns**  
Jack Rodenburg, Melissa Nixon

# Monday, June 18

<b>10:15AM</b>	<b>Methods for Measuring and Interpreting Milking Vacuum</b> D.J. Reinemann, N. Schuring
<b>10:30AM</b>	<b>Theoretical Heat Needs for Digestion of Untreated and Post Separated Sand-Laded Dairy Manure</b> Scott F. Inglis, Curt A. Gooch
<b>10:45AM</b>	<b>BREAK</b>
<b>11:00AM</b>	<b>A Survey of Biogas Production Systems in Europe, and Their Application to North American Dairies</b> House, H
<b>11:15AM</b>	<b>Temporal Variations in Gas and Odor Emissions from a Dairy Manure Storage Pond</b> L.Y. Zhao, M. Darr, X.Y. Wang, R. Manuzon, and H. Keener
<b>11:30AM</b>	<b>Is the Health of Dairy Cows Related to the Health of their Caretakers?</b> Christina Kolstrup and Jan Hultgren
<b>11:45AM</b>	<b>Labor Practices and Technology Adoption on New Zealand Dairy Farms</b> Ian Ohnstad, Jenny Jago, and Douglas J. Reinemann
<b>12:00AM</b>	<b>Psychosocial Work Environment Among Swedish Livestock Workers</b> Christina Kolstrup
<b>12:15PM-2:00PM</b>	<b>BREAK</b>
<b>2:00PM-5:00PM</b>	<b>SESSION THREE: VENTILATION &amp; HEAT ABATE- MENT</b> Moderator: Brian Holmes Location: M101-A,B,C
<b>2:00PM</b>	<b>The Effect of Heat Stress and Lameness on the Time Budgets of Lactating Dairy Cows</b> Rebecca L. Mentink, Thomas B. Bennett, Karl Burgi, Nigel B. Cook
<b>2:15PM</b>	<b>Characteristics of Low-Profile Cross-Ventilated Freestalls</b> J. Smith, R. Millner, R. Sheffield, M.de Haro Marti, J. Zulovich, S. Pohl
<b>2:30PM</b>	<b>Electronic Monitoring on Behavioral Patterns of Dairy</b>

# Monday, June 18

- Cows in a Cooling Freestall**  
S.V. Matarazzo, M. Perissinotto, I.J.O. Silva, D.J. Moura,  
S.A. de A. Fernandes
- 2:45PM Selection of a Heat Abatement System in the North East United States**  
John T. Tyson, P.E.
- 3:00PM Effects of High Temperatures on Milk Production of Dairy Cows in East Central Europe**  
Broucek, J., Mihina, S., Ryba, S., Uhrincat, M., Travnicek, J., Soch, M.
- 3:15PM BREAK**
- 3:30PM Thermal Responses of Holstein Dairy Cows on Pastures with High Solar Loads and High Winds**  
CN Lee, PE Hillman
- 3:45PM Consumptive Water Use of Evaporative Pads**  
C. Schmidt, M.J. Brouk, J.F. Smith
- 4:00PM Factors to Optimize Respiratory Health of Calves Housed in Naturally Ventilated Calf Barns in Winter**  
K. V. Nordlund, A. Lago, T. B. Bennett, S. M. McGuirk, N. B. Cook
- 4:15PM Lying Space Requirements for Group Housed Calves**  
Gry Færevik, Inger Lise Andersen, Kari Tjentland, Stine Løvik and Knut Egil Bøe
- 4:30PM Effect of the Acclimatized Environment or Not on the Dry Matter Ingestion, of Diets Based on Roughages Tropical and their Mixtures, and Milk Production of Cows in System of Confinement Type Freestall**  
Fábio Prudêncio de Campos; Patrícia Sarmiento; Soraia Vanessa Matarazzo; Juliana Rodrigues Pozzi Arcaro; Luiz Gustavo Nussio; Wilson Roberto Soares Mattos; Cristina Corsi Dib

