



# **AMERICAN ASSOCIATION OF SWINE VETERINARIANS**

## **SUMMER CONFERENCE**



# **ADVANCED TECHNIQUES FOR SWINE VETERINARIANS**

**May 28-29, 2008**

Iowa State University  
College of Veterinary Medicine  
Ames, Iowa



## Advanced Techniques for Swine Veterinarians

This AASV “Summer” Conference is designed especially for AASV members who wish to expand their knowledge and skills to become more proficient swine practitioners. Presentations emphasize small group, hands-on learning and case study applications. Attendees will participate in all of the sessions and modules outlined in this program.

### CONTINUING EDUCATION

The conference provides 14.5 clock hours of continuing education for veterinarians.

### REGISTRATION

Register online at [www.aasv.org/summerconf](http://www.aasv.org/summerconf), or mail/fax the registration form included in this brochure. Registration is limited to AASV members, and will be capped at 80 veterinarians and 40 veterinary students to assure a quality learning experience. Preregistration is required.

### LAPTOP

Participants are encouraged to bring a laptop computer to gain the most benefit from the program sessions.

### LOCATION

The educational sessions will be held at the Iowa State University College of Veterinary Medicine in Ames, Iowa. The dinner and the Practice Tips session on Wednesday evening will be held at the Gateway Hotel and Conference Center.

### LODGING

Lodging rooms are available at the Gateway Hotel and Conference Center (515-292-8600 or 888-497-1273), in Ames, Iowa. The AASV room block rate is \$99.00 per single/double. The cut-off date for making reservations is May 6.

### PROGRAM COMMITTEE

Mike Mull (chair), C. Scanlon Daniels, Jeff Harker, Erin Johnson, Randy Jones, Locke Karriker, and Jason Kelly.



# SCHEDULE OF EVENTS

## Advanced Techniques for Swine Veterinarians

### Wednesday, May 28

7:00 – 7:30 AM	Registration check-in <i>Iowa State University College of Veterinary Medicine</i>
7:30 – 8:00 AM	Welcome
8:00 – 11:30 AM	General Session 1: Information Technology (see page 4)
11:30 – 12:30 PM	LUNCH <i>ISU AASV Student Chapter</i>
12:30 – 2:45 PM	Module 1: Ventilation (see page 5) Module 2: Nutrition (see pages 6)
2:45 – 3:00 PM	BREAK
3:00 – 5:15 PM	Modules 1 & 2, repeated (see pages 5 & 6)
5:30 – 6:15 PM	Optional ISU Diagnostic Lab Tour
6:15 – 7:00 PM	FREE TIME
7:00 – 8:30 PM	Practice Tips Dinner Gateway Hotel and Conference Center

### Thursday, May 29

7:00 – 7:50 AM	Student speed interviews with practitioners
8:00 – 10:00 AM	Module 3: Diagnostic Case Studies (see page 7) Module 4: Behavior and Slaughter Checks (see pages 8)
10:00 – 10:15 AM	BREAK
10:15 AM – 12:15 PM	Modules 3 & 4, repeated (see pages 7 & 8)
12:15 – 1:15 PM	LUNCH <i>ISU AASV Student Chapter</i>
1:15 – 4:00 PM	General Session 2: Facilities (see page 9)
4:00 PM	Conference Concludes



## INFORMATION TECHNOLOGY

**Date:** Wednesday, May 28

**Time:** 8:00 – 11:30 AM

**Chair:** Jeff Harker

### Description:

This session will help guide you through the use of new technology in daily practice, including a step-by-step “how to” submit samples using ISU’s new online submission program, using Microsoft Excel for manipulating farm data, and a view of technology in use at the farm level.

- 8:00 AM      Taking digital photos for diagnostics – do’s and don’ts  
Online submission of ISU VDL samples  
Accessing ISU VDL data online  
*Kent Schwartz, Alex Ramirez and others*
- 9:15 AM      BREAK
- 9:30 AM      Using Microsoft Excel to review farm data and create easy  
to read reports for use on farm visits.  
*Jeff Harker*
- 10:30 AM     Using “real-time” monitoring data for day-to-day  
management  
*Joel Stave*
- 11:30 AM     LUNCH



## VENTILATION

**Date:** Wednesday, May 28

**Time:** 12:30 PM – 2:45 PM; repeated 3:00 PM – 5:15 PM

**Chair:** Jason Kelly

*One-half of the conference attendees will participate in this session from 8:00 – 10:00 AM. The session will be repeated at 10:15 AM for the second half of the attendees.*

### Description:

12:30/3:00 PM

#### **General Session**

Modeling ventilation systems – A tool to understand what is really going on

*Mike Brumm*

Investigating sudden death due to ventilation failure – what is the real cause of death?

*Joe Zulovich*

Emergency System Tune Ups – Preventing ventilation failure deaths

*Jay Harmon*

Motor Curves – The key to variable speed fans

*Rick Stowell*

Remote Monitoring Systems (GrowTrac, Dicam, A-Box, etc)

*Mike Brumm*

2:00/4:30 PM

#### **Rotating small group sessions –15 minutes each**

Sponsoring a ventilation workshop for clients – how the ‘Icehouse’ works

*Jay Harmon*

Controllers and variable speed fans – hands-on demonstration

*Rick Stowell*

Using Hobo loggers to trouble shoot problems

*Mike Brumm*

2:45/5:15PM

#### **Module concludes**



## NUTRITION

### Sow Feeding Management Strategies

**Facilitators:** Steve Dritz and Ken Stalder

**Date:** Wednesday, May 28

**Time:** 12:30 PM – 2:45 PM; repeated 3:00 PM – 5:15 PM

**Chair:** Randy Jones

*One-half of the conference attendees will participate in this session from 8:00 – 10:00 AM. The session will be repeated at 10:15 AM for the second half of the attendees.*

### Description:

This session is designed to provide the attendee with the knowledge and skills to be able to trouble-shoot sow feeding management problems encountered in swine practice. This will be accomplished through case study presentations, spreadsheet demonstrations, and a live animal lab.

#### 12:30/3:00 PM **Case Studies**

1. Monitoring feed intake at the system level
2. Influence of gestation feeding on lactation feed intake
3. Implementation of gestation feeding using weight and backfat

*Presented by KSU Applied Swine Nutrition Team*

#### 1:40/4:10 PM **Wet Lab**

1. Flank to flank measurement on sows to categorize body weight
2. Backfat measurements with ultrasound equipment
  - Advantages and disadvantages of various machines
  - Discussion on how to convert a machine from pregnancy detection to backfat measurement

*Presented by KSU and ISU Swine Team*

#### 2:45/5:15 PM **Module concludes**



# MODULE 3

## DIAGNOSTIC CASE STUDIES

### Fine Tuning Your Investigative and Interpretational Skills

**Coordinator:** Alex Ramirez

**Date:** Thursday, May 29

**Time:** 8:00 – 10:00 AM; repeated 10:15 AM – 12:15 PM

**Chair:** Mike Mull

*One-half of the conference attendees will participate in this session from 8:00 – 10:00 AM. The session will be repeated at 10:15 AM for the second half of the attendees.*

#### **Description:**

8:00/10:15 AM

#### **Case Studies**

Participants will be divided into groups to work up challenging cases involving clinical, diagnostic, production, and financial data. Participants will be required to present their cases and result interpretations as well as recommendations to the group. This is an excellent opportunity to see how others would work up a case, providing you the opportunity to expand your repertoire of problem solving skills.

10:00 AM/

12:15PM

#### **Module concludes**



## BEHAVIOR AND SLAUGHTER CHECK

**Date:** Thursday, May 29

**Time:** 8:00 – 10:00 AM; repeated 10:15 AM – 12:15 PM

**Chair:** C. Scanlon Daniels

*One-half of the conference attendees will participate in this session from 8:00 – 10:00 AM. The session will be repeated at 10:15 AM for the second half of the attendees.*

### **Description:**

8:00/10:15 AM **Understanding Swine Behavior in Production Settings**  
*Anna Johnson*

In this “off the beaten path” session, you will learn valuable information on how pig behavior and group dynamics can affect social order, health and productivity.

9:00/11:15 AM **Pre & Post Harvest Carcass Defects**

Rotating sessions - 20 min each speaker

Learn from industry representatives the most common carcass defects in market hogs and cull sows and what swine veterinarians can do to prevent them. After attending these sessions, you will be able to use this knowledge to influence clients to reduce losses incurred throughout the pork chain.

- Preventing carcass lesions in market hogs  
*Collette Schultz Kaster*
- Preventing carcass lesions in cull sows  
*Brady Stewart*
- Preventing loss due to insect bites  
*C. Scanlon Daniels*

10:00 AM/  
12:15 PM

**Module concludes**





# GENERAL SESSION 2

## FACILITY RE-DESIGN STRATEGIES

**Date:** Thursday, May 29

**Time:** 1:15 – 4:00 PM

**Chair:** Erin Johnson

### Description:

This session will be interactive and discussion based. Whether it is taking production facilities from farrow-to-finish to farrow-to-wean, increasing weaning age or changing existing gestation sow housing, the one constant in this industry is that the requirements of production facilities continue to change. As practitioners, we are often involved in these changes; however, additional opportunities for this type of work continue to increase with our ever-changing industry. This session will focus on providing possible solutions for a fictitious client through an understanding of the constraints of his existing facility and the impact of each decision on the number of pigs out the door, or the bottom line.

We'll lead off learning how two practitioners view sow farm flow, how they think about the various "pools" of animals in the farm and how they may manipulate those pools given specific production scenarios. Then participants will have the opportunity to work through one of a series of cases in small groups to come up with options or recommendations for the producer. Our practitioners will be available around the room to help answer questions or pose questions to the group. At the end, we'll wrap-up with a discussion of results for the different cases and summarize key lessons to take home from the exercise.

1:15 PM	Introduction <i>Erin Johnson</i>
1:30 PM	Practitioner's Perspective: Sow farm flow dynamics <i>Joe Connor and Daryl Olsen</i>
2:00 PM	Small Group Case Study Exercise
3:00 PM	BREAK
3:20 PM	Wrap-up with results and discussion
4:00 PM	Conference concludes

# PROGRAM



Wednesday, May 28th	
7:00 - 7:30 AM	REGISTRATION
7:30 - 8:00 AM	WELCOME
8:00 - 11:30 AM	<b>GENERAL SESSION 1</b> Information Technology
11:30 AM - 12:30 PM	<b>LUNCH</b> ISU AASV Student Chapter
12:30 - 2:45 PM	<b>MODULE 1</b> Ventilation
2:45 - 3:00 PM	<b>MODULE 2</b> Nutrition
3:00 - 5:15 PM	<b>BREAK</b>
5:30 - 6:15 PM	<b>MODULE 2</b> Nutrition
6:15 - 7:00 PM	<b>MODULE 1</b> Ventilation
7:00 - 8:30 PM	Optional ISU Diagnostic Lab Tour
	Free time
	<b>DINNER</b> Practice Tips

Thursday, May 29th	
7:00 AM - 7:50 AM	Student speed interviews with practitioners
8:00 AM - 10:00 AM	<b>MODULE 3</b> Case Studies
10:00 - 10:15 AM	<b>MODULE 4</b> Behavior and Slaughter Checks
10:15 AM - 12:15 AM	<b>BREAK</b>
12:15 - 1:15 PM	<b>MODULE 4</b> Behavior and Slaughter Checks
1:15 - 4:00 PM	<b>MODULE 3</b> Case Studies
	<b>LUNCH</b> ISU AASV Student Chapter
	<b>GENERAL SESSION 2</b> Facility Re-design Strategies



# REGISTRATION

## Advanced Techniques for Swine Veterinarians

Registration fee of \$275 for AASV members and \$50 for AASV student members includes all educational sessions, breaks, lunches, and Wednesday's Practice Tips Dinner. There will be no printed proceedings for this conference. Preregistration is required.

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ Province/State \_\_\_\_\_

Postal/Zip Code \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

Check one:

\_\_\_ AASV Veterinarian Member \$275 (US)

\_\_\_ AASV Student Member \$50 (US)  
(does not include 2008 graduates)

### PAYMENT:

Check/money order (US funds drawn on US bank)

VISA     MasterCard     American Express

Account number \_\_\_\_\_

Expiration date \_\_\_\_\_

Cardholder name \_\_\_\_\_

Please detach and send this form with payment to:

**American Association of Swine Veterinarians**

902 1st Avenue, Perry, Iowa 50220 USA

Fax 515-465-3832

Or, register online at [www.aasv.org/summerconf](http://www.aasv.org/summerconf)

**American Association  
of Swine Veterinarians**  
902 1st Avenue  
Perry, IA 50220

**ADVANCED TECHNIQUES  
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