



# The Dairyland Initiative Workshops

**Sept. 26-28, 2018 • Pewaukee, WI**

## **Positive Pressure Tube Ventilation Design for Calf Barns**

**Wednesday, Sept. 26 • 8.4 CE credits**

**For the last time in-person, Dr. Ken Nordlund and Courtney Halbach** will lead participants through hands-on exercises to learn how to use the **Positive Pressure Tube Calculator (PPTC)** to design positive pressure tube ventilation (PPTV) systems for calf barns. Participants will leave this workshop with field-ready skills to improve respiratory health in calf barns. Trainees will be listed on The Dairyland Initiative website as trained consultants in positive pressure tube design. Following the workshop, trainees will have the opportunity to become a Dairyland Initiative Certified Consultant in PPTV design for youngstock housing. **Participants must bring a computer that has Microsoft Office installed.**

<b>Positive Pressure Tube System for Calf Barns</b>	
<b>Wednesday, Sept. 26</b>	
8:00 am	Registration opens
8:30 am	Program start: Introduction and overview of the workshop materials
8:45 am	Summary of research and ventilation problems leading to PPTV systems
9:30 am	Break
9:45 am	Principles of air diffusion tube design
10:45 am	Spreadsheet orientation & Problem Set No. 1: Design a tube system, step-by-step
11:30 am	Ventilation measurement and troubleshooting tools
11:45 am	Lunch (provided); Fogger demonstration outside
12:45 pm	Challenges and issues in designing tube systems
2:00 pm	Problem Set No. 2: Design a year-round tube system
2:45 pm	Break
3:00 pm	Problem Set No. 3: Design a warm weather tube system
3:45 pm	Preferred features of calf barns
4:30 pm	Presenting recommendations to clients
4:45 pm	Concluding remarks & questions
5:00 pm	Adjourn



# The Dairyland Initiative Workshops

## AMS Facility Design

Thursday & Friday, Sept. 27-28 • 16.2 CE credits

The Dairyland Initiative is excited to host the **first independent workshop** on how to design adult cow barns with automatic milking systems (AMS). **Dr. Nigel Cook and 4dBarn advisors**, the global leaders in AMS facility design, will walk you through how to create AMS facilities that maximize labor efficiency and optimize cow health. Main points of discussion will include barn layout, gating systems, transition cow housing, stall design, and ventilation.

This interactive, **two-day workshop** will combine lectures, discussion, and case-based group exercises. Participants will leave the workshop with the ability to tackle AMS building projects and provide solutions that maximize animal well-being and performance.

**4dBarn Oy** is headquartered in Finland and has vast experience working with AMS dairies worldwide. Their consultation services focus on optimizing labor efficiency through barn design, cow traffic systems, and gate placement. Each of their layouts are designed around the unique management style of the producer.

Thanks to the generous support of **Saputo**, all U.S. dairy producers are eligible for a **20% discount on registration for this workshop**.

AMS Facility Design Day 1 Thursday, Sept. 27		AMS Facility Design Day 2 Friday, Sept. 28	
8:00 am	Registration opens	8:00 am	Registration opens
8:30 am	Introduction and overview of workshop	8:15 am	Lecture: Transition cow handling and heifer training
8:45 am	Group activity	9:00 am	Lecture: Group sizing
9:15 am	Lecture: General robot design concepts	9:15 am	Group work—Design a new barn
10:15 am	Break	10:00 am	Break
10:30 am	Lecture: Pen layouts	10:15 am	Lecture: Ventilation
11:00 am	Group work—Evaluate a facility layout	11:00 am	Group work
12:00 pm	Lunch	11:30 am	Lecture: Stall design
1:00 pm	Lecture: Gating and cow flow	12:00 pm	Lunch
2:00 pm	Group work	1:00 pm	Group work
2:30 pm	Group presentations	1:30 pm	Lecture: Designing for labor efficiency
3:00 pm	Break	2:15 pm	Group work
3:15 pm	Group presentations continued	3:00 pm	Break
4:00 pm	Concluding remarks	3:15 pm	Group presentations
4:15 pm	Adjourn	4:45 pm	Concluding remarks
4:30 pm	Optional: 4dBarn presents their consultation services	5:00 pm	Adjourn
5:15 pm	Conclude		

*\*Schedules subject to change*



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## Location

### [The Ingleside Hotel](#)

2810 Golf Road, Pewaukee, WI 53072

Located just outside of Milwaukee, WI, the Ingleside Hotel is a newly renovated, relaxing, and convenient meeting place for all occasions. The hotel is about a 30 minute drive from the [General Mitchell International Airport](#). Click [here](#) for driving directions to the hotel.

## Lodging

Participants are responsible for making their own lodging arrangements, if needed. Lodging is available at [the Ingleside Hotel](#). A block of rooms is being held for workshop participants until Sept. 2, 2018. \$90 for a standard single occupancy room and \$100 for a double occupancy room. Call (800) 247-6640 to make a reservation and use the reference code "UW Madison—School of Veterinary Medicine" to receive the special rate. Other local accommodations can be found at [visitwaukesha.org/placestostay](http://visitwaukesha.org/placestostay).

## **Registration, transportation & accommodation questions may be directed to:**

Kathy Nelson, Director of Continuing Education  
School of Veterinary Medicine  
University of Wisconsin  
(608) 265-5206  
[kathy.nelson@wisc.edu](mailto:kathy.nelson@wisc.edu)

## **Program questions may be directed to:**

Courtney Halbach, Associate Outreach Specialist  
The Dairyland Initiative  
School of Veterinary Medicine  
University of Wisconsin  
(608) 262-6800  
[courtney.halbach@wisc.edu](mailto:courtney.halbach@wisc.edu)

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# The Dairyland Initiative Workshops

## REGISTRATION FORM

Registration is limited to 70 seats for each workshop.

Workshop	Option (Circle One)				
	A	B	C	D	E
PPTV Design for Calf Barns (Sept. 26)	X			X	X
AMS Facility Design (Sept. 27 & 28)		X		X	
<i>U.S. Farmer Only Discount for AMS Facility Design</i>			X		X
	\$350	\$550	\$440	\$795	\$695

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address, Street/PO Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

☐ **VETERINARY PROFESSIONALS:** Check here if you would like to receive continuing education credit for attending these sessions.

### Register online or by phone, fax, or mail



**Phone:** Kathy Nelson (608) 265-5206  
(Credit card information required)



**Online:** [www.vetmed.wisc.edu/ce](http://www.vetmed.wisc.edu/ce)  
(Credit card information required)



**Fax:** (608) 890-4821  
(Credit card information required)



**Mail:** School of Veterinary Medicine  
Continuing Education  
2015 Linden Dr.  
Madison, WI 53706-1102

#### Payment Method:

- ☐ Check enclosed (payable to: SVM)  
☐ MasterCard   ☐ Visa   ☐ Discover Card

Cardholder Name: \_\_\_\_\_

Card # \_\_\_\_\_

Amount to be Charged: \$ \_\_\_\_\_ Exp. Date: \_\_\_\_\_

**Cancellations/refunds:** We reserve the right to cancel the workshop(s) due to insufficient enrollment 1 week prior to the start of the workshop. In case of cancellation due to insufficient enrollment, registration fees will be refunded in full. Participants whose cancellations are received up to 10 days prior to the program will be refunded 80% of the program fee. Cancellations received less than 10 days prior to the program will be refunded 50% of the fee. NO refunds for failure to attend without notification.