After three successful North-American conferences, we now proudly announce the first International Conference on Precision Dairy Farming. Scientists, manufacturers of precision technologies, and veterinarians/advisors are welcomed to discuss developments in sensor technologies for dairy farming.

CONFERENCE ON

PRECISION DAIRY FARMING 2016

LEEUWARDEN **THE NETHERLANDS**
21-23 JUNE

CALL FOR ABSTRACTS

www.PrecisionDairyFarming.com/2016

www.PrecisionDairyFarming.com/2016

WELCOME!

It has not been unnoticed that Precision Dairy Farming has been initiating a great deal of scientific research in the past decade, and greatly influences dairy farming world-wide. Three successful conferences on Precision Dairy Farming in North America were organized in Toronto (2010), and Rochester (2013 and 2015). Now it is time for an international conference on Precision Dairy Farming. We proudly introduce you to the first International Conference on Precision Dairy Farming, that focuses on the crossroads of science and practice. The conference aims at bringing together scientists who are interested in applied Precision Dairy Farming technologies, manufacturers of precision technologies as key drivers in product and service development, and farmers, veterinarians and advisers who are the key drivers and users of the latest scientific developments.

To share research results and to discuss the challenges and opportunities of Precision Dairy Farming to the benefit of all, the Precision Dairy Farming Organizing Committee would like to welcome you to Leeuwarden, the Netherlands. Leeuwarden is the capital city of the province Fryslân, a province with a strong and long history with dairy farming.

On behalf of the Organizing Committee, it is my privilege to announce this call for abstracts. I kindly invite you to participate in this international event. Scientific presentations on various topics related to Precision Dairy Farming will provide an excellent setting to learn about the most recent insights in the use of precision technologies in its broadest sense and it offers a great opportunity to network with others having the same interest. To develop an outstanding scientific program we now invite you to submit an abstract for an oral or poster presentation at this conference.

We look forward to meet you in Leeuwarden in 2016.

Henk Hogeveen
Chairman of the Organizing Committee

ORGANIZING COMMITTEE

- **Prof. Henk Hogeveen**
  Chairman
  Business Economics Group,
  Wageningen University
  Department of Farm Animal Health,
  Utrecht University

- **Dr. Claudia Kamphuis**
  Secretary, Treasurer, Scientific affairs
  Business Economics Group,
  Wageningen University

- **Prof. Kees Lokhorst**
  Program Coordinator Farmers Day, Scientific affairs
  Wageningen UR Livestock Research,
  Wageningen University
  Van Hall Larenstein University of Applied Sciences, Leeuwarden

- **Niels Rutten, MSc.**
  Public relations and sponsoring
  Department of Farm Animal Health,
  Utrecht University

- **Dr. Wilma Steeneveld**
  Program Coordinator
  Department of Farm Animal Health,
  Utrecht University

- **Dr. Tine van Werven**
  Program Coordinator Veterinary Day
  Department of Farm Animal Health,
  Utrecht University

- **Bianca Bouwman**
  Event Organizer
  CibanaRegelt Evenement Management

www.PrecisionDairyFarming.com/2016

SCIENTIFIC PROGRAM

Precision Dairy Farming is an emerging research field that greatly influences dairy farming world-wide.
The objective of Precision Dairy Farming is to develop and implement management tools that aim at automatic and continuous real-time monitoring of animal production, animal health and animal welfare. With this continuous monitoring, Precision Dairy Farming supports farmers in making better daily management decisions and in taking better care of the needs of cows. Moreover, Precision Dairy Farming makes farmers less dependent on labor, and it provides important data that improves communication with advisors and service providers such as veterinarians.
This conference will focus on the latest developments within Precision Dairy Farming in its broadest sense by providing a platform where scientists, manufacturers of precision technologies, veterinarians, and farmers can meet. The scientific themes covered during this conference will all focus on Precision Dairy Farming, with some themes being oriented on new Precision Dairy Farming technologies in general, and other themes focusing on the implementation of Precision Dairy Farming technologies in the specific areas of interest (e.g., animal health, feeding, or grass management).

SCIENTIFIC THEMES

- **Novel precision technologies**

  This theme focuses on new ideas, new technologies, and integration of new technologies that support Precision Dairy Farming.

- **Automatic milking**

  Automatic milking has become a mainstream Precision Dairy Farming technology. This theme focuses on new insights and practical application within this area. This can include new insides in AMS technology, barn lay-out, cow traffic, and the human-machine interaction.

- **Data management**

  Precision Dairy Farming technologies are often associated with the collection of large amounts of (near) real-time data. This theme focuses on how to manage and share these data and how this data can be transformed into practical decision support systems for the benefit of farmers and their advisors.

- **Animal health, welfare, environment, and production**

  Precision Dairy Farming technologies are used for monitoring animal health, welfare, environment, and production. This theme focuses on the latest developments within this area, including the development and application of (detection) models.

- **Precision feeding**

  This theme focuses on the potential to use Precision Dairy Farming technologies to feed individual cows (or groups) different amounts and types of supplements according to several parameters (e.g., genetic potential for milk yield, actual milk yield, days in milk), and it will discuss the potential benefits of precision feeding.

- **Grazing management**

  Grazing management becomes increasingly important in both pasture-based dairying systems and outside. This theme includes topics like using GPS to improve grazing management.

- **Socio-economic impact**

  Precision Dairy Farming technologies are increasingly being developed and adopted. This theme focuses on the economic and social impact of adopting Precision Dairy Farming technologies throughout the entire dairy production chain.

CONFERENCE PROGRAM AT A GLANCE

Monday **20 June 2016**	Registration
Tuesday **21 June 2016**	Registration Opening session Key notes Scientific and poster presentations Welcome reception
Wednesday **22 June 2016**	Farm visits Farmers' day (in Dutch) Conference dinner
Thursday **23 June 2016**	Key note Scientific and poster presentations Veterinary day (in Dutch) Closing Key note

www.PrecisionDairyFarming.com/2016

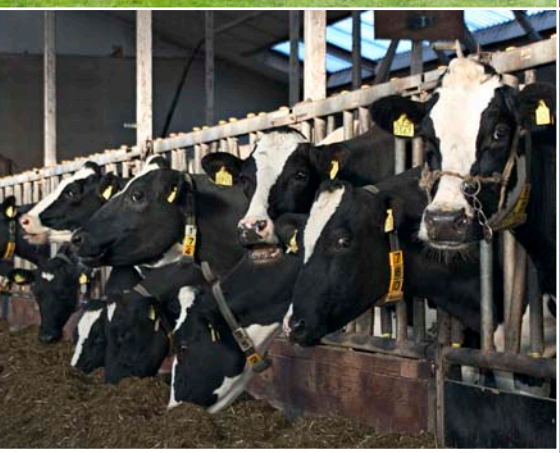
CALL FOR ABSTRACTS

The Organizing Committee for this first International Conference on Precision Dairy Farming welcomes the submission of abstracts for presentation at the conference (oral and poster). Contributions should fit the descriptions of the different scientific themes. Applicants will be challenged to highlight the practical use of their scientific work (short or long term) in the abstract submitted. Practical use should in this respect be interpreted as the potential application in dairy farming.

Two types of abstracts are possible:

- **Oral presentation in one of the scientific themes**
  Oral presentation does involve an obligation to deliver a 6-page contribution for the proceedings.

- **Poster presentation**
  Poster presentations will be reproduced in the proceedings in the form of the abstract submitted.



HOW TO SUBMIT

Abstracts should be submitted in English, and must not exceed 2,250 key strokes (including title, authors and addresses, and including spaces and punctuation). Abstract instructions will be presented on the conference website, www.precisiondairyfarming.com/2016.

Abstracts will not be corrected for English grammar, and thus, should be written concisely, clearly, and using the following structure:

- Title
- Names and affiliations of the authors
- Problem statement
- Methods
- Results
- Practical implications

Abstracts can only be submitted online at **www.precisiondairyfarming.com/2016**, using the abstract submission link. Abstracts should be submitted before 31 December 2015. Please note that confirmation of your submission will be done via e-mail. During the submission procedure, clearly indicate the intended scientific theme for the contribution, and the preference for oral or poster presentation.

The Scientific Program Committee will evaluate all abstracts and decide on acceptance of abstracts and mode of presentation (oral or poster). Decisions will be based on originality, scientific soundness, practical implications and coherence in the program. Authors will be notified about acceptance before 15 February 2016. The six-page contribution to the conference proceedings has to be submitted before 1 April 2016.

TIME TABLE

31 December 2015	Deadline abstract submission
15 February 2016	Notification abstract acceptance
1 April 2016	Deadline paper submission
21-23 June 2016	The first International Conference on Precision Dairy Farming

www.PrecisionDairyFarming.com/2016

GENERAL INFORMATION

REGISTRATION AND FINAL PROGRAM

Registration and detailed information about conference fees will be available on the conference website from February 2016. A final program will be available on the conference website as per April 2016. The program will be distributed amongst attendees of the conference on arrival as part of the conference kit.

CONFERENCE VENUE

WTC Expo, Leeuwarden, the Netherlands.
Address: WTC Leeuwarden, Heliconweg 52, 8914 AT Leeuwarden
T: +31 (0)58-2941500
F: +31 (0)58-2941505
Website: www.wtcexpo.nl

CONFERENCE SECRETARIAT

For all information, please contact
Claudia Kamphuis
Business Economics Group, Wageningen University
Hollandseweg 1
6706 KN Wageningen
T: +31 (0)317 483 367
E-mail: info@precisiondairyfarming.com
Conference website: www.precisiondairyfarming.com/2016

LANGUAGE

The official language at the conference will be English. Translation will not be provided.

LEEUWARDEN CITY

Leeuwarden, a city with 107,000 inhabitants, is the dynamic and vibrant capital city of the province Fryslân, located in the Northern part of the Netherlands. Leeuwarden was once a royal residence and has a beautiful historical centre with over 1,000 monuments alongside modern architecture, a wealth of listed buildings, and relaxing terraces and canals. It comes as no surprise then that Leeuwarden has been awarded the title European Capital of Culture 2018. In the run-up to 2018 Leeuwarden is working to create a culturally vibrant climate to mobilize city, region and people. Leeuwarden has a strong history with dairy farming, highlighted by the 'Waag' which was built in 1590. Tradesman were obliged to weigh their products before offering them for sale on the market. The most important products that were weighed in the "Waag" were dairy products, particularly butter. Leeuwarden is also seen by many people as the centre of the prosperous, agricultural province Fryslân. A province with many lush meadows, open waters, over 2,800 dairy farms and more than 280,000 dairy cows. Fryslân is also home of the Frisian cow, which is the ancestor of the modern Holstein-Frisian dairy cow. In Leeuwarden, this Frisian breed is honoured with the iconic statue "Us Mem". Agriculture and dairy production, thus, are still important for Leeuwarden and Fryslân. Therefore, Leeuwarden is the perfect location to host the first International Conference on Precision Dairy Farming.

HOW TO GET THERE

Leeuwarden is easy to access from Schiphol airport by train or car.
The train will leave from the train platform at Schiphol airport and will take approximately 2.5 hours to arrive in Leeuwarden. Trains will depart every 30 min on the hour. Please check NS public transport and check this site on the day of your travel as it will inform you about delays or other unexpected events. The World Trade Centre Expo is at walking distance of about 10 minutes from the train station in Leeuwarden.
When going to Leeuwarden by car from Schiphol airport, there are two main options: either take the A7 and A31, or take the A6 and A32. Both options will bring you to the World Trade Centre Expo in approximately 1.5 hours. Please have a look at Google Maps for detailed directions.

GRAPHIC DESIGN: Marjolein de Vette, Deventer, the Netherlands