

**Date:** Monday, 22 November 2010

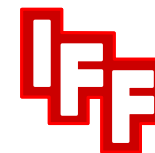
Start: 10:00 a.m.

Close: approx. 16:30 p.m.

**Accommodation:**

Due to the request for rooms, we recommend to book immediately.

A list of hotel recommendation can be downloaded from our website [www.iff-braunschweig.de](http://www.iff-braunschweig.de).



**Workshop**

**Venue:**

Forschungsinstitut Futtermitteltechnik  
der Internationalen Forschungsgemeinschaft  
Futtermitteltechnik e.V.  
Research Institute of Feed Technology of IFF  
Frickenmühle 1A  
D-38110 Braunschweig-Thune

**Admission fees:**

EUR 420.00 per person for members of IFF

EUR 560.00 per person for non-members

The admission fee is tax-free according to § 4, No. 22 UStG (German value added tax act). The fee includes documentation (abstracts), beverages and lunch.

**Reduction:**

The admission fee for the second and further participants of a company will be reduced to 80 %.

**Service:**

After the registration deadline we will send you a preliminary list of participants so that you may coordinate arrival and departure.

**Registration:**

Binding registration by **12 November 2010** at  
Forschungsinstitut Futtermitteltechnik of IFF  
Frickenmühle 1A, D-38110 Braunschweig-Thune  
phone: +49 (0) 5307 / 92 22-0  
fax: +49 (0) 5307 / 92 22-37  
e-mail: [iff@iff-braunschweig.de](mailto:iff@iff-braunschweig.de)  
internet: [www.iff-braunschweig.de](http://www.iff-braunschweig.de)

The participation becomes binding after confirmation of the Research Institute of IFF. If the registration will be cancelled by the participant by 7 days before the course starts, a service charge in the amount of EUR 50.00 will be invoiced. Afterwards or in default of appearance the total admission fee has to be paid. A substitute can be delegated.

**Each participant will receive a certificate of participation.**

# Milling

**22 November 2010**



in Braunschweig-Thune  
Frickenmühle

Milling or grinding at present is one of the most discussed processing steps in animal feed manufacturing. Energy costs have almost doubled in the past five years. Together with constructional developments like new milling systems and increasing awareness of plant and product safety these subjects challenge previously well-proven milling concepts. With these developments choices for technological solutions in feed production have been enlarged.

An additional influence results from recent research findings which indicate direct coherences between structure qualities of compound feed and efficient livestock breeding.

During the workshop, new and further developments of milling and grinding equipment will be presented. Also the technological and nutritional-physiological consequences which result from different particle-size distributions will be discussed. Speakers will also elaborate on topics such as power consumption, range of application, and width and distribution of the desired and achievable feed structures.

Feed producers can use the advantages and limitations pointed out in the different milling alternatives for optimising that important process step in practice.

### **Welcome**

A. Feil, IFF, Braunschweig/D

### **Comparing different milling methods of grain under consideration of comparable particle-size distributions and specific energy requirement**

R. Löwe, IFF, Braunschweig/D

### **The influence of different feed structures on the technological properties of feedstuffs**

A. Feil, IFF, Braunschweig/D

Discussion break

### **Optimising the particle-size structure of a pig-feed mixture rich in barley by stage grinding with hammer mill and subsequent crushing roller mill**

T. Lucht, Amandus Kahl GmbH & Co. KG, Reinbek/D

### **Milling of dry and wet grain with a grinding machine with wedge-shaped discs**

C. Füll and T. Hoffmann, Leibniz Institute for Agricultural Engineering Potsdam-Bornim, Potsdam/D

### **A structural approach in grinding**

P. van Bommel, Van Aarsen International B.V., Panheel/NL

Lunch break

### **Milling with regard to "Right structure at low costs"**

A. Schultz, Bühler GmbH, Braunschweig/D

### **Diets' physical form (grinding intensity/mash vs. pellets) and its effects on nutrient digestibility as well as on the health of the gastrointestinal tract**

J. Kamphues, Institute of Animal Nutrition of the University of Veterinary Medicine, Hannover/D

Discussion break

### **Current possibilities of the particle characterisation in shape and size**

K. Mootz, Sympatec GmbH, Clausthal-Zellerfeld/D

### **Closing words**

*(Subject to change)*