

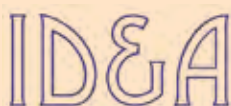
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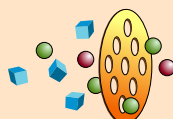
**12<sup>th</sup> Practical Short Course: Trends and Markets in Aquaculture Feed Ingredients, Nutrition, Formulation and Optimized Feed Production and Quality Management**  
**NH Hotel Gent Belfort, Ghent, Belgium,**  
**December 3 & 4, 2012**

SHORT COURSE ORGANIZERS

[www.smartshortcourses.com](http://www.smartshortcourses.com)



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SPEAKERS

**Mr. Joseph Barbi**, President, E.S.E. & INTEC, U.S.A.  
**Dr. Alain Brisset**, Extrusion Technology Sales Director, Cletral SA., France  
**Dr. Ignace Debruyne**, Technical Marketing Consultant, Ignace Debruyne & Ass., Belgium  
**Mr. Jean Broers**, Bestmix Sales, Adifo, Belgium  
**Mr. Eric De Muylder**, Director, CreveTec, Belgium  
**Mr. Bart D'Heer**, Project Manager, NutriAd, Belgium  
**Mr. Bas Geerts**, Standards Director, ASC Aquaculture Stewardship Council, the Netherlands  
**Mr. Freddy Holle**, Rotex Europe, the Netherlands, (TBC)  
**Mr. Orla Nielsen**, Director Agribusiness Europe, DuPont-Solae, Denmark  
**Dr. Süreyya Özkizilcik**, Nutrition Consultant, Nutra Yem Ltd., Turkey  
**Mr. Peter Raeven**, Project Manager Sales, Dinnissen BV, Netherlands

**Dr. Egbert Stark**, R&D Manager, Perten Instruments, Sweden  
**Mrs. Nicola Tallarico**, Technical Service Manager, Kemin Europe, Belgium  
**Mr. Scott Vallette**, Market Manager, Buhler Aeroglide, U.K.  
**Mr. Alexander Van Halteren**, Technical manager Aquaculture, NutriAd, Belgium  
**Dr. Koen Vanhoutte**, Algae Consultant, Navicula, Belgium  
**Mrs. Carine van Vuure**, Manager Corporate Quality R&D/Nutrition, Sonac, The Netherlands  
**Mr. Arthur vom Hofe**, Sales Manager Roskamp Champion, CPM Europe, The Netherlands  
**Mr. Jacques Wijnoogst**, Aquaculture Feed Technology Tema-International, the Netherlands  
**Mr. Urs Wüst**, Engineering & Fulfillment Director, Bühler Group, Switzerland

# TECHNICAL PROGRAM

## Monday, December 3, 2012

8:50 Opening Remarks

### MARKET TRENDS AND FEED INGREDIENTS

- 9:00 **Current and Future Market Trends in Aquaculture Feed**, Dr. Ignace Debruyne, IDEA, Belgium
- 9:30 **Utilization of High Quality, Sustainable and Reliable Animal By-Products in Aquafeed**, Mrs. Carine van Vuure, Sonac, The Netherlands
- 10:00 **Utilization of Algae in Aquafeed and Nutrition**, Dr. Koen Vanhoutte, Navicula, Belgium
- 10:30 Coffee/Tea Break
- 11:00 **Strategies to Make Aquaculture a Sustainable Business**, Mr. Bas Geerts, Aquaculture Stewardship Council, The Netherlands - via Web link

### PRACTICAL CONSIDERATIONS IN FEED FORMULATION

- 11:30 **Nutritional Requirements of Fish**, Dr. Süreyya Özkizilcik, Nutra Yem, Turkey
- 12:00 **Reducing Feed Cost in Aquaculture by Optimizing Nutrient Utilization and Gut Health**, Mr. Alexander Van Halteren, NutriAd, Belgium.
- 12:30 Lunch Break and Networking
- 13:30 **Feed Formulation and Nutrition**, Mr. Eric De Muylder, CreveTec, Belgium
- 14:00 **Micro-Feed Production Technologies**, Dr. Süreyya Özkizilcik, Nutra Yem, Turkey
- 14:30 **Shrimp Feed: Formulation and Stability**, Mr. Eric De Muylder, Crevetec, Belgium
- 15:00 Coffee/Tea Break

### FEED MANUFACTURING TECHNOLOGY

- 15:30 **Critical Parameters and Plant Design for Aquafeed**, Mr. Jacques Wijnogst, Tema-International, the Netherlands
- 16:00 **Least Cost Formulation for Aqua Diets**, Mr. Peter De Letter, Adifo, Belgium
- 16:30 **Dry Fish Feed and New Developments: Energy Savings, Reduction of CO<sub>2</sub>, and Increase of Plant Efficiency**, Mr. Jacques Wijnogst, Tema-International, The Netherlands

### QUALITY ASSURANCE

- 17:00 **Aquafeed Quality: Lipid Oxidation and Stabilization Strategies**, Mrs. Nicola Tallarico, Kemin Europe, Belgium
- 17:30 **Aqua Feed Quality Control: Chemical and Microbiological Aspects**, Mr. Bart D'Heer, NutriAd, Belgium
- 18:00 Networking drink - End of Day 1

## Tuesday December 4, 2012

### INGREDIENTS AND PROCESSING

- 9:00 **Use of Soy Protein Concentrates in Extruded Products**, Mr. Orla Nielsen, DuPont-Solae, Denmark
- 9:45 **Grinding for Feed prior to Extrusion**, Mr. Arthur vom Hofe, CPM Europe, The Netherlands
- 10:15 **Feed Pelletization**, Mr. Arthur vom Hofe CPM Europe, The Netherlands
- 10:45 Coffee/Tea Break
- 11:15 **Proper Screening Allows Good Nutritional Quality Feed, Optimizes Production, and Reduces Losses**, Mr. Freddy Holle, Rotex Europe, The Netherlands, ROTEX US, TBC

### EXTRUSION TECHNOLOGY

- 11:45 **Fundamentals of Extrusion Technology**, Mr. Alain Brisset, Clextal, France
- 12:15 Lunch Break and Networking
- 13:30 **New Extrusion Technology with Online Control of Product Density and Specific Mechanical Energy Input**, Mr. Urs Wuest, Buhler Group, Switzerland
- 14:00 **Applications of Twin Screw Extruders**, Mr. Alain Brisset, Clextal, France
- 14:30 **High Fat Extrusion for Food and Feed Applications**, Mr. Alain Brisset, Clextal, France
- 15:00 **Verifying End Product Quality**, Dr. Egbert Stärk, Perten Instruments, Sweden
- 15:30 Coffee/Tea Break

### POST EXTRUSION PROCESSES

- 16:00 **Extrudate Coating, Absorption Coating by Means of Vacuum and Micro Encapsulation**, Mr. Peter Raeven, Dinnissen, The Netherlands
- 16:30 **Sustainable Drying for Aquafeed**, Mr. Scott Vallette, Buhler Aeroglide, U.K.
- 17:00 **Proper Preparation - Dosification - Mixing Of Macro - Minor And Micro Ingredients and Liquids for Specialty Feeds**, Mr. Joseph Barbi, E.S.E. Intec, U.S.A.
- 17:15 **Post Processing - Handling And Storage of Quality Extruded and Pelleted Feeds**, Mr. Joseph Barbi, E.S.E. Intec, U.S.A.
- 17:30 End of Program

## REGISTRATION

First Name for Badge			
First Name			
Last Name/Family Name			
Job Title			
Company			
Address			
City/State/Province		Postal Code	Country
Business Phone		Fax Number	
E-mail			
Company VAT number			

## REGISTRATION INFORMATION

Full Registration includes access to all presentations, short course manuals, lunch and coffee breaks

EARLY BIRD Registration ON or BEFORE October 28, 2012	745 EUR
STANDARD Registration rate AFTER October 28, 2012	895 EUR
ACADEMIC Registration	595 EUR

Group registration rates: 10 % off for three or more; 20% off for five or more; student rate on demand

## Payment by Bank Transfers:

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