

## 9<sup>TH</sup> PRACTICAL SHORT COURSE: Aquafeed Platform Aquaculture Feed Extrusion, Nutrition, & Feed Formulation Ho Chi Minh City, Vietnam, January 25 - 26, 2010

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### OBJECTIVES:

This is a crash course for new plant personal and opportunity for those who are experienced to meet experts in the field to discuss their current problems to enhance their plant operations. This is the only extensive program in South East Asia that covers a wide range of topics with specific practical aspects!

### TARGET GROUP

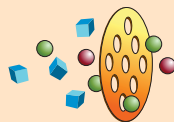
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### SPEAKERS

**Mr. Joseph Barbi**, President, E.S.E. & INTEC, U.S.A.  
**Dr. Anant S. Bharadwaj**, Aquaculture Nutritionist, R&D Novus USA  
**Dr. Victoria Bohne**, Research Scientist, Nofima, Norway  
**Dr. Salim Bootwalla**, Technical Director Animal Nutrition, ASA-IM SEA, Republic of Singapore  
**Mr. Patrice Breillot**, Asia Pacific Market Manager Director, Clextral SA., France  
**Mr. Paul Chen**, Extru-Tech, Inc./Wenger, Technical

Sales, Extru-Tech - Wenger Asia, Taiwan (R.O.C.)  
**Mr. Matthew Clark**, Regional Director South East Asia, Feed Management Systems®, Malaysia  
**Mr. Eric De Muylder**, Director, CreveTec, Belgium  
**Mr. Paul Douglas**, Regional Director, Buhler - Aeroglide Asia Pacific, Malaysia  
**Mr. Don Lindsey**, Global Director, Agribusiness, The Solae Company, USA  
**Dr. Süreyya Özkizilcik**, Nutrition Consultant, Nutra Yem Ltd., Turkey  
**Dr. Farshad Shishehchian**, Senior Consultant,

Aquaculture, Novus International, Singapore  
**Mr. Stefan Tordenmalm**, Business Area Manager Grain & Feed, Perten Instruments, Sweden  
**Dr. Koen Vanhoutte**, Owner-Inventor, SBAE Industries, Belgium  
**Mr. Geert van der Velden**, Sales Manager, Sonac, the Netherlands  
**Dr. Jesus Vereno**, Novus International, Thailand  
**Mr. Jacques C. Wijnogst**, Project Consultant, Tema-International BV, Netherlands  
**Mr. Urs Wuest**, Engineering & Fulfillment Director, Bühler AG, Switzerland

# TECHNICAL PROGRAM

## MONDAY, JANUARY 25, 2010

- 8:25 **Opening Remarks**
- MARKET TRENDS**
- 8:30 **Current and Future Market Trends in Aquaculture Feed**, Dr. Farshad Shishehchian, Novus International, Singapore
- FEED INGREDIENTS**
- 9:00 **Ingredient Trends and the Effects on the Extrusion Process**, Mr. Urs Wuest, Bühler AG, Switzerland
- 9:30 **Raw Material Bottlenecks in Formulation**, Dr. Jesus Venero, Novus International, Thailand
- 10:00 **Utilization of High Quality, Sustainable and Reliable Animal By-products in Aquafeed**, Mr. Geert van der Velden, Sonac, the Netherlands
- 10:30 Coffee/Tea Break
- 11:00 **Applications of Soy Protein Concentrates in Aquafeed**, Mr. Don Lindsay, Solae, U.S.A.
- 11:30 **Utilization of Algae in Aquafeed and Nutrition**, Dr. Koen Vanhoutte, SBAE Industries, Belgium
- 12:00 **Rapid Analytical Methods for Ingredient Testing**, Mr. Stefan Tordenmalm, Perten Instruments, Sweden
- 12:30 Lunch Break and Networking
- 13:30 **Comparisons of Soybean Protein Quality from Different Sources**, Dr. Salim Bootwalla, ASA-IM SEA, Republic of Singapore
- FEED FORMULATION**
- 14:00 **Feed Formulation and Nutrition**, Mr. Eric De Muylder, CreveTec, Belgium
- 14:30 **Artemia, Enrichments and Other Feed Additives for Hatcheries**, Dr. Süreyya Özkizilcik, Nutra Yem, Turkey
- 15:00 **Larval Nutrition and Starter Feeds**, Dr. Süreyya Özkizilcik, Nutra Yem, Turkey
- 15:30 Coffee/Tea Break
- 16:00 **Shrimp Feed: Formulation and Stability**, Mr. Eric De Muylder, CreveTec, Belgium
- FEED MANUFACTURING TECHNOLOGY**
- 16:30 **Proper Dosification & Mixing of Macro-Minor Ingredients and Liquids for Aquafeed**, Mr. Josef Barbi, E.S.E. Intec, U.S.A.
- 17:00 **Feed Preparation Technology**, Mr. Urs Wuest, Bühler AG, Switzerland
- 17:30 **Post Processing and Handling of Quality Aquafeed**, Mr. Josef Barbi, E.S.E. Intec, U.S.A.
- 18:00 **End of Day 1 Technical Program**
- 19:30 Short Course Cocktail and Dinner Offered by



## TUESDAY, JANUARY 26, 2010

- 8:30 **Specific Grinding and Preparation for Making Extruded Products with Specific Particle or Pellet Size**, Mr. Jacques Wijnoogst, Tema-International, the Netherlands
- 9:00 **Least Cost Formulation for Aqua Diets: Case Study - Tilapia Catfish Feeds**, Mr. Matthew Clark, Feed Management Systems, Malaysia
- AQUATIC FEED EXTRUSION**
- 9:30 **Fundamentals of Introduction to Extrusion Technology**, Mr. Patrice Breillot, Clestral, France
- 10:00 **Critical Issues in Extruder Process Control**, Mr. Paul Chen, Extru-Tech / Wenger, Taiwan
- 10:30 Coffee/Tea Break
- 11:00 **Aquatic Feed Extrusion: Applications of Twin Screw Extruders**, Mr. Patrice Breillot, Clestral, France
- 11:30 **New Extrusion Technology with Online Control of Product Density and Specific Mechanical Energy Input**, Mr. Urs Wuest, Bühler AG, Switzerland
- 12:00 **High Fat Extrusion for Aquafeed**, Mr. Paul Chen, Extru-Tech / Wenger, Taiwan
- 12:15 **Micro Aquatic Feeds**, Mr. Paul Chen, Extru-Tech / Wenger, Taiwan
- 12:30 Lunch
- 13:30 **Drying of Aquafeed**, Mr. Paul Douglas, Buhler - Aeroglide Asia Pacific, Malaysia
- PLANT DESIGN**
- 14:00 **Critical Parameters and Plant Design for Aquafeed**, Mr. Jacques Wijnoogst, Tema-International, Netherlands
- 14:30 **Dry Fish Feed and New Developments: Energy Savings, The reduction of CO<sub>2</sub>, and Increase of Plant Efficiency**, Mr. Jacques Wijnoogst, Tema-International, Netherlands
- QUALITY ASSURANCE**
- 15:00 **Aquafeed Quality: Lipid Oxidation and Stabilization Strategies**, Dr. Victoria Bohne, Nofima, Norway
- 15:30 Coffee/Tea Break
- 16:00 **Aquafeed Quality Control: Chemical and Microbiological Aspects**, Dr. Anant Baradwaj, R&D Novus USA
- 16:30 **Mycotoxins Management in Aquafeed**, Dr. Anant Baradwaj, R&D Novus USA
- 17:00 **Verifying End Product Quality**, Mr. Stefan Tordenmalm, Perten Instruments, Sweden
- 17:30 **End of Short Course**

### REGISTRATION

First Name for Badge			
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Title			
Company			
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City/State/Province	Postal Code	Country	
Business Phone	Fax Number		
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### REGISTRATION INFORMATION - Registration rate includes short course manuals, lunches and coffee breaks

	Full	Reduced (*)	Amount
On or Before December 27, 2009	595 (EUR)	395 (EUR)	
After December 27, 2009	695 (EUR)	495 (EUR)	

\*\*\* Offered through exhibiting companies

#### PAYMENT INFORMATION:

##### International Bank Transfer:

**Make transfer to: IBAN account number BE76 7380 1169 5895 (BIC code: KRED BEBB) of Ignace Debruyne & Associates - AQUAFEED, KBC Bank, Izegem, Belgium. Please mention: "AquaFeed Short Course"**

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