



**EUROTRANS GEAR TRAINING**

**PRODUCTION**

Gent (BE), 13 – 17 March 2017

## A complete Gear Training Programme on Master Level (English spoken)

Although the power transmission engineering industry is an important industry branch, universities fail to develop appropriate courses. In Europe, a mechanical engineer gets on average 5 hours of gear training. This is far too less to be effective in industry. Moreover, gear trainers are becoming rare due to retirement and non replacement. Therefore, EUROTRANS identified the remaining top gear trainers and developed an extensive modular Gear Training covering all aspects from geometry and design over production to quality control and failure analysis. Addressing a European audience, this residential training is organised in several locations in close connection with famous laboratory. This training on **PRODUCTION** is also organised with Sirris and the University of Leuven.

### **PRODUCTION**

**13 – 17 March 2017**

Please find the detailed programme for this week below. If you wish to subscribe, please use the subscription form at the end of this folder.

- Accommodation? Room reservations should be made directly with the hotel using the separate reservation form. Accommodation is **not** included in the price.
- Social programme? The training package **includes** evening **diners** and **social activities** such as a guided walk through the city centre of Gent and a visit of Sirris Gent and the 'Materials Research Cluster Gent'. The social programme can be subject to change.

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Monday 13/3 AM - Travel and Begin of training				
Monday 13/3 PM	SURFACE TREATMENT	Surface hardening techniques	Gear Basics and Gear (surface) hardening: methods, metallurgy, micro-structure, equipment, process, control: case hardening, nitriding, induction	<b>BVDW consultancy</b> Bernard Vandewiele
Tuesday 14/3 AM - PM	SURFACE TREATMENT	Case hardening (detail)	In depth study of case hardening process: ovens, oil, harding profile (definition and measurement, standards), defects (overcarburising, oxydation...), process control, monitoring, optimal charge...	Bernard Vandewiele
Wednesday 15/3 AM	INTRODUCTION		Basics to know	Mr. Quintiens
Wednesday 15/3 AM	GEAR HOBGING & SHAPING		Gear Hobbing Gear Shaping	<b>GLEASON</b>
Wednesday 15/3 PM	GEAR SKIVING & TOOLS		Power Skiving Chamfering & Deburring of gears Gear Cutting Tools Workholding for Gear Production	Dr. Türich Mr. Klein
Thursday 16/3 AM	GEAR HONING & SHAVING		Threaded Wheel – Grinding Technology Gear Shaving Gear Honing Important Aspects of Premachining for Hard Finishing	Mr. Kreschel Dr. Momper
Thursday 16/3 PM	GEAR FINISHING		Decision Criterias for hard finishing processes Gear Inspection Gear Hobbing of Large Module Gears Profile Grinding of Large Module Gears	
Friday 17/3 AM	NEW WAYS OF PRODUCTION		5 axe production of Gears and new ways of production	<b>KU Leuven PMA</b> Jan Bouquet
Friday 17/3 PM - End of training and travel				

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**INSCRIPTION FORM**

>> Form to be returned at least **7 days before the start of the course** (or **30 days for early bookings**) to **Marleen Poelmans**, Diamant Building, bd A.Reyers ln 80, 1030 Brussels, by e-mail to [marleen.poelmans@agoria.be](mailto:marleen.poelmans@agoria.be)

Mr./Mrs. ....

Function .....

Company .....

Address .....

E-mail .....

Tel. .... Fax .....

VAT Nr .....

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## Participation fee

2000 € (vat excl.) per person for early bookings at least **30 days before** the start of the training

2200 € (vat excl.) per person for late bookings at least **7 days before** the start of the training

**2700 € (vat excl.) per person for organisations non-member of EUROTRANS associations  
disregarding date of registration**

From the 2<sup>nd</sup> and consequent inscription from the same company a 100€ reduction will automatically be granted.

Invoice address if different from the above:

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**An invoice will be sent to you upon receipt of your registration and please mention if a purchase order number (PO number) is needed on your invoice!**

## Cancellation conditions

- > No charge if cancelled at least 30 days before the start of the course
- > For cancellations at least 7 days before the start of the course, 50% of the inscription fee will be refunded
- > No refund will be made for cancellations received after 7 days before the start of the course, however replacement of a registered person is possible
- > **In case of insufficient inscriptions the course will be cancelled and refunded**

**Date and Signature:**

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**HOTEL INFORMATION**

>> Please confirm your room reservation directly to the hotel preferably one month before the start of the course. Accommodation is **not** included in the price!

We recommend the following hotel:

▣ **Hotel Novotel Centrum Gent**

Goudenleeuwplein 5  
B – 9000 GENT  
Tel: +32 (0) 9 224 22 30  
Fax: +32 (0) 9 224 32 95

Email: [Ho840-SB@accor.com](mailto:Ho840-SB@accor.com)

Contact person: Sabine Callens  
Direct tel: +32 (0)9 265 97 11

**Block booking code:** AGO130317

**BOOKING BEFORE 20/2/2017**

Single room: € 109 /per person breakfast included  
City tax: € 3 / per person / per night

Limited parking available under the hotel - entrance Hoogpoort 50  
Rate parking: € 30 / per night  
No booking possible