

## Detailed Program

MONDAY 06/03 AM – travel and start of the training			
<b>Monday 06/03</b>	<b>12:00 – 13:00 Welcome lunch</b>		
	<b>13:00 – 13:30</b>	<b>Walter Auwers</b>	<b>Welcome at Sirris</b>
	13:00 – 14:30	Bernard Vandewiele	Basic of hardening - Thermal Surface hardening Hardening principles - Introduction-flame-laser Basic of hardening: physical metallurgy, microstructure
	<b>14:30 – 14:45 Break</b>		
	14:45 – 16:30	Bernard Vandewiele	Basic of hardening - Thermal Surface hardening
	<b>16:30 – 18:00</b>	<b>Walter Auwers, Sirris</b>	<b>Texturing of surfaces via laser and laser hardening &amp; Visit Laboratories Sirris</b>
	<b>18:30 – Joint diner</b>		
<b>Tuesday 07/03</b>	09:00 – 10:40	Bernard Vandewiele	Thermochemical case hardening processes Case hardening (detail)
	<b>10:40 – 11:00 Break</b>		
	11:00 – 12:15	Bernard Vandewiele	Thermochemical case hardening processes
	<b>12:15 – 13:15 Lunch</b>		
	13:15 – 14:30	Bernard Vandewiele	Thermochemical case hardening processes
	<b>14:30 – 14:45 Break</b>		
	14:45 – 17:00	Bernard Vandewiele	Thermochemical case hardening processes
	<b>18:30 – Joint diner</b>		
<b>Wednesday 08/03</b>	09:00 – 9:10	Yvo Quintiens (Blancquaert tools)	Welcome & Greetings
	09:10 – 10:00	Dr. Türich (Gleason)	Gear Basics
	10:00 – 10:40	Mr. Klein (Gleason)	Gear Hobbing – Part 1
	<b>10:40 – 11:00 Break</b>		
	11:00 – 11:40	Mr. Klein	Gear Hobbing – Part 2
	11:40 – 12:15	Yvo Quintiens	Gear Hobbing of Large Module Gears

	<b>12:15 – 13:15 Lunch</b>		
	13:15 – 14:15	Mr. Klein	Chamfering & Deburring of gears
	14:15 – 14:50	Mr. Kreschel (Gleason)	Gear Shaping
	<b>14:50 – 15:10 Break</b>		
	15:10 – 16:00	Mr. Kreschel	Power Skiving
	16:00 – 17:00	Mr. Klein	Gear Cutting Tools & Workholding
	<b>17:00 – 17:15</b>	<b>Discussion</b>	
	<b>18:00 – 19:00 Guided tour Leuven</b>		
	<b>19:00 – Joint diner</b>		
<b>Thursday 09/03</b>	<b>08:30 – 09:00</b>	<b>Bert Lauwers, KULEuven</b>	<b>Welcome at KULEuven</b>
	09:00 – 10:30	Dr. Türich	Threaded Wheel Grinding Technology
	10:30 – 10:50	Mr. Klein	Gear Shaving
	<b>10:50 – 11:05 Break</b>		
	11:05 – 11:50	Dr. Türich	Gear Honing
	11:50 – 12:15	Mr. Klein	Important Aspects of Premachining for Hard Finishing
	<b>12:15 – 13:15 Lunch</b>		
	13:15 – 14:00	Dr. Türich	Profile Grinding
	14:00 – 14:30	Dr. Klein	Decision criterias for hard finishing processes
	14:30 – 15:00	Yvo Quintiens	Gear inspection
	<b>15:00 – 15:15 Break</b>		
	15:15 – 16:00	Dr. Türich	Gear Noise (NVH) Analysis Possibilities
	<b>16:00 – 17:00</b>	<b>Discussion</b>	
	<b>18:30 – Joint diner</b>		
<b>Friday 10/03</b>	09:00 – 10:40	Bert Lauwers	Alternative and new ways of production for gear manufacturing
	<b>10:40 – 11:00 Break</b>		
	11:00 – 12:15	Bert Lauwers	Alternative and new ways of production
	<b>12:15 – 13:30 Closure lunch</b>		<b>+ tour in the laboratories of KULEuven</b>
<b>FRIDAY 10/03 PM – end of the training and travel</b>			