

1st internal workshop for the project partners – SCHEDULE NEW 3

Laser welding - a versatile process for the high performance production of polymeric components

Date : March 15-16, 2011

Location: CRF - FIAT Research Centre, Strada Torino 50, Orbassano (TO), Italy

March 15

14:00	Laser sources for the laser welding of polymers	Michael Stark, IPG and	d Jens Meinschien, Limo	
14:40	Laser welding of polymers - State of the art and innovative trends Part I Andrei Boglea		Andrei Boglea, ILT	
15:20	Laser welding of polymers - State of the art and innovative trends Part II		Petri Laakso, VTT	
16:00	Break			
16:20	Plastic laser welding systems: state of the art, limitations, and future trends			
Ulrich Gubler, Leister and Mikko Laaksonen, Cencorp				
17:00	The role and use of laser pigments, absorbers an	d additives	Sybille Glaser, Treffert	
17:40	End of first day			
Transf	er to Torino and dinner in the evening			

March 16

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	Visit of FIAT plant	08:45	
rometry Peter Abels, ILT	Process control methods based on thermography and p (thermo-cameras and thermal detectors)	10:30	
Jose Angel Gutierrez Olabarria, TECNALIA	Visual monitoring for part tracking and process control	11:10	
	Lunch	12:00	
Signal analysis method in order to develop a monitoring system Giuseppe D'Angelo, CR		13:30	
:10 Wireless and powerless sensor: technological aspects and indoor communication techniques Giuseppe D'Angelo, CRF			
	Break	14:50	
Giorgio Pasquettaz, CRF	Laser applications in the automotive industry	15:20	
Kim Bager, Coloplast	Laser applications in the medical industry	16:00	
	Final discussion	16:40	
	End of the workshop	17:30	