

## Programme of the REVA Seminar for CVA teachers, Hardthausen, Germany, from 6 to 8 July 2009

Sunday, 2009-07-05	Monday, 2009-07-06	Tuesday, 2009-07-07	Wednesday 2009-07-08	Thursday, 2009-07-09
	<b>8.00 am</b> Breakfast	<b>8.00 am</b> Breakfast	<b>8.00 am</b> Breakfast	<b>8.00 am</b> Breakfast
	<b>8.45 am</b> Bus Transfer to Heilbronn University of applied sciences	<b>9.00 am</b> Bus transfer to DLR_School_Lab	<b>9.30 am</b> Bus transfer to the Eduard-Mörike-Grammar-School	Departure for those who stay till Thursday 9
	<b>9.30 am</b> Lecture: <b>Mr. Kurt Rauschnabel</b> , from the University: <i>Orbit calculations using energy and angular momentum conservation</i>	<b>10.00 am</b> Workshops: Introduction by <b>Mr.Heisbeltz</b>  Rocket principles Combustion Vacuum technics	<b>10.00 am</b> Lecture in the Eduard-Mörike-Grammar-School: <b>Dr Rainer Killinger</b> (EADS Astrium)  Visit of the Grammar-School with the aim to exchange experiences	
	<b>10.00 am</b> Lecture: <b>Mr. Klaus Schäfer</b> , DLR: <i>History and evolution of the Ariane Family</i>			
	<b>10:30 am</b> Coffee break	Coffee break		
	<b>11:00 am</b> Lecture: <b>Mr. Meroth</b> , from the University: <i>Ariane V accident from the point of view of a system engineer</i>	Effects of SRT / ART Microgravity Rocket staging	<b>11.45 am</b>  Bus transfer to the space center Lampoldshausen	
Arrival of the participants	<b>11:30 am</b> Visit of the laboratories of the University			
	<b>12:15 am</b> Lunch in the cantine of the university	<b>12.00 am</b> Lunch	<b>12.00 am</b> Lunch in the cantine of the DLR	
<b>4.00 pm</b> Meeting Point Stuttgart Airport	<b>1:30 am</b> Lecture: <b>Mr. Vincent Taponier</b> , CNES: <i>Space transportation systems: going through the Launch Vehicle design</i>	<b>1.00 pm</b>  Rocket principles Combustion Vacuum technics	<b>1.00 pm</b>  Visit of the space center Lampoldshausen with the astronautics museum, the test stands and the EADS Astrium site	
<b>6.00 pm</b> Meeting Point Heilbronn Main Station	<b>2:15 pm</b> Lecture: <b>Dr. G. Hagemann</b> , EADS: <i>Future space transportation – main propulsion needs</i>			
	<b>3:00 pm</b> Coffee break	Coffee break		
	<b>3:30 pm</b> Lecture: <b>Prof. Dr. H. Ruder</b> : <i>The physics of the star trek universe</i>	Effects of SRT / ART Microgravity Rocket staging		
	<b>4:30 pm</b> Discussions			
	<b>5.00 pm</b> Travel back to the hotel	<b>5.00 pm</b> Bus transfer to the town hall Hardthausen	<b>5.00 pm</b> Bus transfer back to the hotel / airport Stuttgart / main station Heilbronn	
	<b>6.00 pm</b> Bus transfer to the vine village in Oehringen	<b>5.30 pm</b> Reception at the town <i>(together with Scientific Holidays participants)</i>		
	<b>10.00 pm</b> Bus transfer back to the hotel	<b>9.00 pm</b> Bus transfer to the hotel		