



UNIVERSITY OF FLORENCE

**UCAR**

Corradino D'Ascanio University Center  
for Automotive and Mobility Research



UNIVERSITY OF PISA



# 1<sup>st</sup> International Workshop on Vehicle Engineering

## 15 – 16 June 2015

Monday 15 June			
Centro Didattico Morgagni – University of Florence			
Viale Morgagni 40 – Room n°105			
11:00	Welcome to the Workshop		
11:20	F. Frendo M. Pierini	Short presentation of UCAR (joint center University of Florence and University of Pisa)	UCAR
11:40	H. Winner T. Melz	Short presentation of University of Darmstadt	TU Darmstadt
12:00	S. Perfetto	PhD presentation - Development of an energy harvesting vibration absorber integrated in a drive-train	TU Darmstadt
12:20	P. Neri	PhD presentation - Experimental dynamic characterization of complex structures	University of Pisa
12:40	R. Pleß	PhD presentation – Building a motorcycle riding simulator with rider motion determination	TU Darmstadt
13:00	Light lunch		
14:30	G. Savino	PhD presentation - Towards Motorcycle Autonomous Emergency Braking (MAEB)	University of Florence
14:50	C. Schaal	PhD presentation – Structural intensity methods for the NVH design	TU Darmstadt
15:10	L. Risso	PhD presentation – Cost management in business and product development	University of Pisa
15:30	N. Magiera	PhD presentation – Online learning of a Rider Model for Powered Two Wheelers	TU Darmstadt
15:50	D. Barbani	PhD presentation – Development of passive safety devices for motorcycle	University of Florence
16:10	F. Infante	PhD presentation – Modelling of drive-train using a piezoelectric energy harvesting device integrated with a rotational vibration absorber	TU Darmstadt
16:30	F. Bucchi	PhD presentation – Smart devices for the improvement of vehicle efficiency	University of Pisa
16:50	Coffee break		
17:10	F. Frendo M. Pierini	The way of research in Italian Universities	UCAR
17:30	H. Winner T. Melz	The way of research in University of Darmstadt and LBF-Fraunhofer	TU Darmstadt
18:00	End of first day		



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Tuesday 16 June			
Scuola di Ingegneria- University of Pisa			
Largo Lucio Lazzarino – Aula B. Guerrini			
08:30		Transfer to Pisa by train	
10:30	F. Frendo	Short visit to the laboratories of the Department of Civil and Industrial Engineering	
11:15		Coffee break	
11:30	W. Wachenfeld	PhD presentation - The safety assessment of fully automated vehicles. The next challenge to bring this technology into use.	TU Darmstadt
11:50	S. Claus	PhD presentation – Semi-Active Suspension Control with Road Preview	TU Darmstadt
12:10		Open discussion on future activities: joint PhD, joint Master related to vehicle engineering, future meetings ...	TU Darmstadt
13:30		End of the meeting	
13:30		Light lunch	

Workshop Dinner 15 June 2015 at ' Trattoria Vecchio Mercato ' Firenze

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