



International Research Council on Biomechanics of Injury

IRCOBI 2016 Malaga Preconference Workshop on Crash Reconstruction

**13 September 2016
Malaga, Spain**

A wide-angle photograph of the historic city of Malaga, Spain, showing its characteristic stone buildings and towers built on a hillside, with mountains in the background under a clear sky.

PROGRAMME

Welcome Note

Welcome to Malaga and to this IRCOBI Pre-Conference Workshop!

Crash reconstruction is an intrinsic part of preventing crashes and injuries, the main objective of IRCOBI. From the design of pre-crash safety systems to the effective delivery of post-crash medical treatment, the whole chain of events benefit from understanding the circumstances in which the crash occurred and how the injuries were caused. The accurate reconstruction of the crash enables the researcher to understand the factors that influenced the subsequent events in the collision.

The objective of the workshop is to provide an overview of the different techniques used in crash reconstructions pointing out at the benefits and limitations of each of them. The workshop intends to encourage a critical approach to the results of collision reconstructions and to include the assessment of uncertainty as an integral part of the reconstruction process.

Thus, we encourage your active participation in the three sessions planned for the workshop: car, pedestrian and powered-two-wheeler collisions. The workshop has been organized around a set of practical cases that will be discussed openly during the sessions.

We hope that the proposed topics result interesting and we certainly encourage your active participation. We look forward to welcoming you in person in Malaga.

Adria Ferrer
Dietmar Otte
Marco Pierini
Francisco Lopez-Valdes

Workshop Programme

Time	Presentation	Speaker
8.00-8.10AM	Registration	
8.10-8.15 AM	Welcome (Francisco Lopez-Valdes)	
	Car collisions – Dietmar Otte (chair)	
8.15-8.30	Description of proposed practice cases	Dietmar Otte
8:30-9:00	Limitations and possibilities of car to car accident reconstruction. How to handle in praxis?	Dietmar Otte
9.00-9.30	How software packages can handle variability in car to car accident reconstruction?	Herman Steffan
9.30-10.15	Open discussion about practice cases reconstruction	Discussion led by Dietmar Otte
10.15-10.45	Coffee break	
	Pedestrian collisions– Adrià Ferrer, Dietmar Otte (chairs)	
10:45-11:00	Description of proposed practice case	Adria Ferrer, Dietmar Otte
11:00-11:30	Pedestrian accident trends in Europe	Marcus Wisch
11:30-12:00	Thresholds validation for simulation models of road accident reconstructions: Avoidance analysis and traffic policy support	Alejandro Longton
12:00-1:00	Open discussion and reconstruction of a practice case	Discussion led by Adria Ferrer, Alejandro Longton and Dietmar Otte
1:00-2:15	Lunch	
	PTW collisions – Marco Pierini (chair)	
2:15-2:30	Description of proposed practice case	Marco Pierini
2:30-3:15	The U.S. DOT FHWA Motorcycle Crash Causation Study	CraigThor
3:15-3:45	Coffee break	
3:45-5:15	Discussion of the proposed case, including different solutions from audience	Marco Pierini
4:30-5:15	Open discussion about practice case reconstruction	Led by Marco Pierini
5:15-5:30	Closure	

Workshop Location

The workshop will be held at the Sala Oyarzábal of the *Palacio Provincial* of *Diputación de Málaga* (Address: Plaza de la Marina 4, 29071 Málaga).

The room is located on the 2nd floor.

The workshop venue is conveniently located near the city center, in Plaza de la Marina. It can be reached by public transportation (bus lines: 1, 4, 14, 19, 25, 36, 37; stop: Paseo del Parque). It is within walking distance from the IRCOBI Conference venue and the surrounding recommended hotels.



See the map below for further instructions:

