

# CALL FOR PAPERS



## Icrash 2012 Milano ITALY

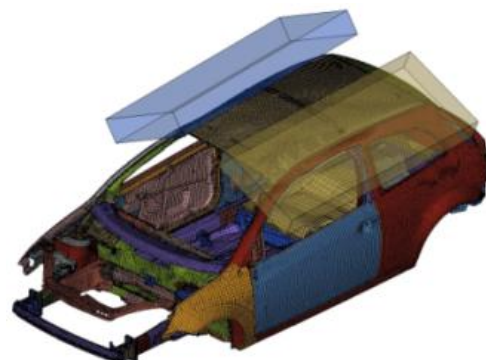


International

Crashworthiness Conference

July 18-20, 2012

Call For Papers



## Organized by

- The University of Bolton, UK
- The Politecnico di Milano, Italy
- Taylor & Francis Group (Publishers of IJCRASH), UK
- Bolton Automotive & Aerospace Research Group (BAARG), UK
- The Editorial Members of the International Journal of Crashworthiness

## Deadlines

### Important Dates

Abstract Deadline	31 January 2012
Acceptance notice	06 February 2012
Full manuscripts	31 May 2012
Early Registration	10 March ~ 30 June 2012
Provisional Programme Published	01 June 2012

## Abstract Submission

Authors are invited to submit up to 400 words extended abstracts for oral presentation on any of the topics stipulated under the conference scope for consideration and inclusion in the conference programme subject to acceptance. The language of the conference is English.

E-mail: [icrash2012@bolton.ac.uk](mailto:icrash2012@bolton.ac.uk)

## Conference Scope

The conference will address five distinct areas of safety in the following separate sessions:

### Structural Crashworthiness

Road and Rail Vehicles  
Air and Spacecraft  
Ships and Submarines

### Impact Biomechanics

Vehicle Occupants,  
Vulnerable Road Users (Cyclists  
and Pedestrians)

### Modelling

Simulation and Validation

### Safety Systems and Materials

Vehicle Occupant Restraints,  
Energy Absorbers,  
Metallic and Composite Materials

### Accident Survey and Reconstruction

Real World Database  
Realistic Regulations  
Type Approval Tests  
Customer Rating Systems

## Introduction

The economic crisis of 2008/09 continues to reverberate loudly worldwide destroying not only the livelihood of many of us but also bankrupting some of the automotive, aerospace and railway businesses we scientists and engineers depend upon and help. While this economic crash will come to an end, unfortunately the number of vehicle crashes will not cease as we experience the ever-increasing demand for mass transport by road, rail, air and sea.

The vehicle crashes will result in human injuries and damage to property. Thus scientists and engineers face an increasing challenge of finding solutions that will greatly improve transport safety. This is true especially as the economic crash makes us all think and come up with new types of vehicle designs that are not only safe but environmentally acceptable to the users and the public at large. The vehicles of the future will use different propulsion systems to be dominated by electric cars. In such electric cars, the structural crashworthiness design will be different to what we currently have. The packaging of the batteries for example will drive future crashworthiness design and we must be ready for this new challenge.

The objective of this conference is to encourage scientists and engineers meet this challenge by providing a valuable forum in which they can present and discuss their work in this most important field of crashworthiness. The previous seven bi-annual ICRASH conferences since 1998 were held with unprecedented successes in Dearborn (USA), London (UK), Melbourne (Australia), San Francisco (USA), Athens (Greece), Kyoto (Japan) and Washington DC (USA) respectively. ICRASH has become a well-recognized platform for engineers, bioengineers, designers and researchers in the field of structural crashworthiness and impact biomechanics and provides a vital forum for experts to find designs that reduce fatalities and injuries attributed from world's road, railway and air accidents.

Following the excellent reputations and emerging tradition of previous ICRASH conferences, The Politecnico di Milano, Italy, is now hosting the ICRASH 2012. The ICRASH 2012 will be held between 18 - 20 July 2012. On behalf of the Local Organizing Committee, please accept our invitation and attend the ICRASH 2012 International Crashworthiness Conference.

## ICrash 2012 Programme Chairpersons

**E. Clive Chirwa** (The University of Bolton, UK)

**Chiara Bisagni** (The Politecnico di Milano, Italy)

## Distinguished Conference Scientific Faculty

W. Abramowicz	(Impact Design, Europe, Poland)
S. Acar	(Loughborough University, UK)
W. Altenhof	(University of Windsor, Canada)
J. A. Ambrosio	(Institute Superior Technico, Portugal)
F. A. Berg	(Dekra Automobil GmbH, Germany)
R. H. Grzebieta	(University of New South Wales, Australia)
C. D. (Steve) Khan	(The George Washington University, USA)
C. Kindervater	(D F L, Germany)
K. Langwieder	(Institute of Vehicle Safety, Germany)
A. G. Mamalis	(National Technical University of Athens, Greece)
D. Otte	(Medical University Hannover, Germany)
J. J. Quartuccio	(Naval Air Systems Command, Maryland, USA)
J. D. Reid	(University of Nebraska-Lincoln, USA)
M. D. Gilchrist	(University College Dublin, Ireland)
K. E. Jackson	(NASA Langley Research Center, USA)
Y. Matsui	(Japan Automobile Research Institute, Japan)
K. Mizuno	(Nagoya University, Japan)
S. V. Wong	(University Putra Malaysia, Malaysia)

## Local Organizing Committee

**Chiara Bisagni** (The Politecnico di Milano, Italy)  
**Marco Anghileri** (The Politecnico di Milano, Italy)  
**Cesare Cardani** (The Politecnico di Milano, Italy)  
**Paolo Astori** (The Politecnico di Milano, Italy)



## CONFERENCE MANAGER

Enquiries should be directed to

Chiara Bisagni  
Dipartimento di Ingegneria Aerospaziale  
The Politecnico di Milano  
Via la Masa 34,  
20156 Milano, ITALY  
Tel: +39 02 2399 8390

E-mail: [chiara.bisagni@polimi.it](mailto:chiara.bisagni@polimi.it)

## Venue

**THE POLITECNICO DI MILANO**  
Dipartimento di Ingegneria Aerospaziale  
Via la Masa 34,  
20156 Milano, ITALY  
[www.aero.polimi.it](http://www.aero.polimi.it)

## Correspondence

For further information including registration fee and accommodation, please check the website at [www.bolton.ac.uk/BEE/BAARG/Conferences/icrash2012.aspx](http://www.bolton.ac.uk/BEE/BAARG/Conferences/icrash2012.aspx)

## Accommodation

Milan or in Latin Mediolanum which means "Sanctuary" was founded by the INSUBRI CELTS (Celtic Tribe) in 590 BC. This Gallic Milan or Sanctuary has welcomed its visitors for millennia. Since the 600 BC, the Milanese citizens have been known to be friendly, hospitable and can go beyond protocol to make you feel at home.

As an ICRASH 2012 delegate and your family, you will be received in the same high Celtic spirit that still depicts the Milanese hospitality. You will be invited to their breathtaking museums with original masterpieces of many geniuses such as Leonardo da Vinci, Michelangelo Buonarroti, Piero del Pollialo and many more. This will be a cultural conference and Milan is prepared to offer you the best of the Celtic, Roman and The Empire during your three day visit to the city.

**HOTEL RESERVATION** is a MUST & recommended by the ICRASH 2012 Local Organizing Committee. Please book early, July is a busy month.

**VISIT:** <http://www.turismo.milano.it>

**Go into: Organize your trip and then accommodation .**



## Publication

All papers accepted for presentation will be peer reviewed & published in the Conference Proceedings' CD-ROM to be issued to delegates at no extra cost.

Following the conference, the keynote speeches and peer refereed selected papers will be published in *The International Journal of Crashworthiness*.

<http://www.tandf.co.uk/journals/titles/13588265.asp>

## Conference Exhibition

An exhibition will be held at the conference venue giving a valuable advertising and promotional opportunity for manufacturers, research organizations and other interested agencies.

## Further Information & Updates

## CONFERENCE FEES

FEE CATEGORY	EURO (€)
1st Author	TBA
Other Author(s)	TBA
Delegate	TBA
Student (20 Places ONLY)	TBA
Conference Dinner Special per person	TBA
Visits (to be Announced)	TBA

[www.bolton.ac.uk/BEE/BAARG/Conferences/icrash2012.aspx](http://www.bolton.ac.uk/BEE/BAARG/Conferences/icrash2012.aspx)

