

## Expression of interest

*Please print or type*

**Family name:** .....

**First name:** .....

**Title (Prof, Dr, Mr, Mrs, Ms):** .....

**Organization:** .....

**Address:** .....

**Post/Zip code:** .....

**Country:** .....

**Tel.:** .....

**Fax:** .....

**Email:** .....

- I am interested in attending the conference  
 I am interested in presenting a paper entitled:

## Secretary

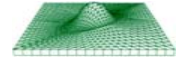
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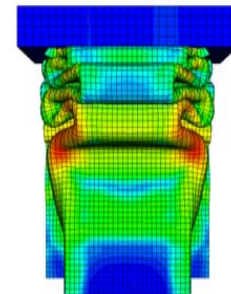
Laboratory of Physic and Mechanic of Materials



## Constitutive relations and numerical simulation of industrial dynamic processes

**November, 2007**

*First call for Papers*



*Co-organised by*



Universidad Carlos III de Madrid



## Scientific committee

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Dr. L. Faure (LPMM-IUT-University of Metz)  
Dr. P. Forquin (LPMM-University of Metz)  
Prof. J.R. Klepaczko (CNRS-LPMM) - *co-Chairman*  
Prof. A. Molinari (LPMM-University of Metz)  
Dr. A. Moufki (LPMM-University of Metz)  
Dr. A. Rusinek (LPMM-University of Metz) - *Chairman*  
Dr. P. Chevrier (LFM-ENIM)  
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Dr. S. Philippon (LFM-ENIM)  
Prof. A. Tidu (LETAM-ENIM)  
Prof. A. Glema (University of Technology-Poznan)  
Prof. T. Lodygowski (University of Technology-Poznan)  
Dr. A. Arias (University Carlos III)  
Dr. H. Miguélez (University Carlos III)  
Prof. R. Zaera (University Carlos III)  
Prof. W.K. Nowacki (IPPT-Warsaw)  
Prof. R.B. Pecherski (IPPT-Warsaw)  
Dr. R. Dormeival (CEA-Valduc)

## Local organising committee

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Dr. A. Rusinek (LPMM-University of Metz)  
Dr. P. Forquin (LPMM-University of Metz)  
Dr. P. Chevrier (LFM-ENIM)  
Dr. S. Philippon (LFM-ENIM)  
Dr. G. List (LPMM-University of Metz)  
Dr. L. Faure (LPMM-IUT-University of Metz)  
Dr. S. Mercier (LPMM-University of Metz)  
Dr. A. Moufki (LPMM-University of Metz)

## Objectives

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The goal of this Workshop is to present and discuss different modelling approaches in the field of the dynamic behavior of materials. An important objective is to consider original **constitutive relations** which are suitable for Finite Element codes to simulate **dynamic processes related to engineering applications**.

## Themes

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The workshop will cover both theoretical modelling of the mechanical behavior of materials at high strain rates and numerical simulations of fast processes. There will be four main sessions:

1. Constitutive relations
2. Numerical simulations
  - a- Dynamic cutting
  - b- Crash-box behavior
  - c- Dynamic forming
  - d- Drilling, grinding, milling
  - e- Special processes
3. Experimental verifications
4. State of art in industry and their needs

## Time table

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**February 22, 2007:** Deadline for submission of an intention to participate

**February 28, 2007:** Information if the workshop will be organised

**May, 2007:** Deadline for abstract submission, one page maximum

**June, 2007:** Notification to authors for oral presentation. Opening of the registration

**November, 2007:** Opening of the workshop

## Call for papers

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Papers describing current works in the conference areas will be welcome. Some contributions will be selected for oral presentation. Each author is invited to submit an abstract to the Conference Secretary. The abstract must be in English. Abstracts may be submitted by mail, fax or e-

mail. The inscription fee for the 2.5 days will be around **200 €**

## Accommodation

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The workshop will be held at **Metz Campus**. There is a large choice of hotels located in downtown Metz. It is easy to arrive directly to Metz by train, plane or car. Metz is 70 km from Luxemburg international airport. Luxemburg city is connected to Metz by train. The railway station is close to downtown Metz and the university.

## Workshop 2008

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The second workshop will be organised at **Poznan University of Technology (Poland)** by Professor T. Lodygowski. The topic of the next workshop will be focused on the **dynamic behavior of concrete and rock-like materials**.

## Workshop 2009

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The third workshop will be organised at **University Carlos III of Madrid (Spain)** by Prof. H. Miguélez. The topic of workshop will be focused on **manufacturing processes**.

## Workshop 2010

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The fourth workshop will be organised at **IPPT Warsaw (Poland)** by Prof. R.B. Pecherski. The topic of the next workshop will be focused on the **constitutive relations**.