

# MilleChili JOURNAL

## WEIGHT REDUCTION IN VEHICLE DESIGN

*in collaboration with*



### CALL FOR PAPERS

March, 2010

Dear friends,

we are pleased to announce the launch of a new on-line journal in collaboration with the MilleChili Lab between University of Modena and Ferrari SpA.

**Aims and Scope of the journal.** To develop and discuss ideas and method for *weight reduction* in mechanical components pertaining to the automotive realm, with particular reference to *sport cars*. To this aim, the journal will adopt a multidisciplinary approach, in particular with respect to the following themes:

Mechanical Structures, Dynamics, and NVH  
Joints, Adhesives, Welding. Fatigue, Creep, Friction, Fretting, Contact problems  
Metallic materials, Composite Materials, Material selection & Ashby plots  
Computational Mechanics, Finite Elements, Boundary Elements, CAD & Meshing, Virtual Reality  
Structural Multilevel & collaborative Optimization, surrogate/reduced modelling, Optimization driven design.  
Multiphysics problems. Crash tests, impact engineering and simulation  
Biomechanics connected to car industry. Human-Centric Vehicle Design, Digital human modelling and simulation

We are pleased to announce a very prestigious Editorial Board, below. We are aiming at issuing the number “zero” of the online journal by the end of this year. Number “zero” will probably contain a welcome presentation from a personality in the automotive field. An Editorial may also be included, but we do not want to appear to be too redundant or self-celebrative: remember we are performing weight reduction!

For the first set of papers for number “zero” of the journal, we invite papers in the above subjects. We need to respect the following time table to hope to be **online this year**.

- 1) June 30th. Deadline for first submission. Papers will be put in a queue --- papers in excess of the selected 8-10 papers will also enter this queue. Selection will be based on overall balance of number “zero” topics/people
- 2) September 30th. Deadline for final submission.

Length is not particularly relevant: abstract should be limited to 3000 characters. Thanks in advance for your support, and we look forward to hearing from you, and to releasing number “zero”.

Best regards,

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## Editorial Board

(We are still waiting confirmation from 3-4 possible additional members)

Barber	James Richard	University of Michigan
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Fontaine	Jean-Guy	Italian Institute of Technology
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