



Mechanics & Industry

**An International Journal on Mechanical Sciences
and Engineering Applications**



Call for Papers

Themed Issue on

**What's up in ... forming and mechanical
joining of sheet metals?**

Edited by:

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Background

There has been an extraordinary activity around metal sheets for the last decades, mainly coming from the automotive industry and driven by the need to model the mechanical behavior up to necking and rupture, with the main aims of mass reduction and increased quality of the final product. The reliability of numerical simulations of processes like blanking, stamping, deep drawing, U-bending, mechanical joining by hemming, riveting, clinching, ... is based on the mechanical behavior of the materials, which are mainly steels and aluminium alloys and also copper and its alloys, titanium and magnesium alloys.

Aims and Scope of the Themed Issue

Nowadays, this tremendous activity described above, has slowed down a little bit and the aim of this special issue is to **highlight the reached milestones as well as some new trends** in forming and mechanical joining of sheet metals.

Many research activities in the field of forming and joining of sheet metals stem from industrial applications and therefore, this special issue of "Mechanics & Industry" welcomes papers highlighting both the scientific topics and the industrial applications.

This special issue takes place in the wake of the "Year of mechanics", a French event promoted by the scholarly society French Mechanics Association (AFM) for 2021-2022 and the 41st IDDRG conference (International Deep Drawing Research Group) organized in France in June 2022.

Submissions

All relevant papers will be carefully considered, peer-reviewed by a distinguished team of international experts. The instructions for authors are detailed at: <https://www.mechanics-industry.org/author-information/instructions-for-authors>

Authors are invited to submit, as soon as their manuscript is ready, online at: <https://articlestatus.edpsciences.org/is/mi/home.php>

and choose, during the submission, the special issue: ‘What’s up in ... forming and mechanical joining of sheet metals?’

Submission deadline – September 29th, 2022

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3. *For Authors not belonging to cases 1 and 2:*

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