

Special Issue

Analysis and Modeling of Sheet Metal Forming Processes

Message from the Guest Editor

This Special Issue on the “Analysis and Modelling of Sheet Metal Forming Processes” focuses on contributions that detail new developments and enhance the understanding of sheet metal forming analysis and modeling. The topics of interest include (but are not limited to):

- Methods for the optimization, robust design and control of sheet metal forming processes
- Through process Modeling from sheet production to crash simulation
- Advanced Damage Modeling for sheet and tool material
- Prediction of residual stresses and springback
- Novel methods for characterization of sheet metal forming properties and parameter identification
- Models for new sheet materials (monolithic and hybrid)
- Models for flexible and sheet-bulk forming processes
- Constitutive Modeling of sheet metal, especially multi-scale analysis
- Models for warm forming of sheet metal
- Friction models, especially for new tribological conditions such as dry forming or forming with structured tool surfaces
- New element formulations and solution techniques

I am very much looking forward to your contributions.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

Editor-in-Chief

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