

Joining by forming

The application of forming in industrial processes offers a favorable material utilization and material properties to the best advantage in combination with a high productivity. Different trends have shown up in order to utilize the potential of this technology. The most important developments include the use of a smart material mix for manufactured parts and the integration of necessary joining operations into the forming process. Since there has been a great gap of knowledge mainly concerning design criteria of multi material forming processes, the joining mechanism and the simulation, many researchers contributed to that field of research. To summarize recent developments and to fill these gaps, the Journal of Materials Processing Technology will publish a special issue with the topic "Joining by forming". Therefore, this call for the contribution of papers discusses the issue of joining by forming.

Fields of special interest for this issue are:

- joining process utilizing deterministic plastic flow
- layout methods for joining processes and joint properties
- design criteria for tools and part connections
- joining mechanisms such as form-, force- and material-closed joints
- surface engineering related to a joining processes
- simulation of joining processes especially for multi material combinations

Important dates:

Full paper submission due: July 31, 2013

Printing date of the special issue: March 1, 2014

Submitted papers have to be original and must not be submitted for publication elsewhere. For the paper submission please use the Elsevier Editorial System (EES) available at <http://ees.elsevier.com/protoc/> with reference to this special issue.

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