



## Advances in Plastic Deformation Analysis and Process Design

Guest Editor:

**Prof. Dr. Youngseog Lee**

Department of Mechanical  
Engineering, Chung-Ang  
University, Seoul 06974, Korea

Deadline for manuscript  
submissions:

**closed (28 February 2022)**

### Message from the Guest Editor

Dear Colleagues,

Plastic deformation is one of the processing fields that rapidly developed to solve the productivity problem of cutting processing after World War II. Since the 1980s, the finite element (FE) analysis capability of plastic deformation has improved fast, and as a result, many papers on FE analysis of plastic deformation have been published. In the 1990s, precise computer models predicting plastic deformation behavior began to be developed, and FE analysis results applicable to the actual production site began to appear in the literature. Recently, advanced plastic deformation analysis techniques that combine mechanics and metallurgy are emerging, and attempts are being made to apply the results to improve product quality and create new products. Hence, in this Special Issue on “Advances in Plastic Deformation Analysis and Process Design”, we would like to recruit mechanistic-based or metallurgical-based papers or papers that combine the two fields. In particular, papers that contribute to innovation in plastic processing design by incorporating AI are welcomed.

Prof. Dr. Youngseog Lee

*Guest Editor*





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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
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## Message from the Editor-in-Chief

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*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
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