

Special Issue

Structural Analysis, Phase Composition and Properties of Alloys and Steels Manufactured by 3D Printing

Guest Editor:

Dr. Nataliya V. Kazantseva

Laboratory of magnetic structural analysis,
Institute of Metal Physics,
Ural branch of Russian Academy of Sciences,
620219, 18, S.Kovalevskaya Str., Ekaterinburg, Russia
kazantseva-11@mail.ru

Deadline for manuscript submissions:

31 October 2021

Message from the Guest Editors

Dear Colleagues,

The main aim of this Special Issue is to cover recent progress in decisions of the problems related to the additive manufacturing of steel products. This Issue will collect research concerning different methods of 3D metal printing by powder laser, electron beam, and metal wire, including the following:

- Problems of laser or electron beam 3D printing from the steel powder and metal steel wire, post-printing treatments;
- Structure evolution of 3D printed steels after heat treatments and mechanical tests, martensitic and precipitation hardening in 3D steels;
- Physical properties of 3D printed steels;
- Design of 3D steel products.

Scientific papers reporting new and unpublished results on any aspect of these topics are welcomed.

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Metals (ISSN 2075-4701) is an international, open access journal published monthly online by MDPI.

Indexed by Science Citation Index Expanded (SCIE) and Scopus (Elsevier). The Impact Factor of /Metals/ is 2.351, ranking 24/80 (Q2) in Metallurgy & Metallurgical & Engineering

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