

Preface

This special edition is devoted to the technologies of semi-solid processing of non-ferrous alloys.

Semi-solid metal processing technologies are typically used to produce high-end and critical structural elements of various machines and equipment.

This collection contains articles that analyse the effect of various processing parameters on mechanical properties and microstructure features of produced materials and structural elements. The investigations of unique semi-solid processing technologies - direct metal writing, semi-solid die-casting process with low solid fraction, etc. are also presented here.

This special edition will be helpful to specialists in materials science and engineers from mechanical engineering.