

Contents

Michał Piwowarczyk, Natalia Wolańska, Marek Wilku, Maciej Pietrzyk, Łukasz Rauch, Roman Kuziak, Valery Pidvysots'kyy, Krzysztof Radwański Physical and numerical simulation of the production chain of fasteners manufactured of 32CrB4 steel control-cooled in the stelmor process to develop the multiphase microstructure	5
Łukasz Poloczek, Roman Kuziak, Jakub Foryś, Danuta Szeliga, Maciej Pietrzyk Accounting for the random character of nucleation in the modelling of phase transformations in steels	17
Wojciech Baran, Krzysztof Regulski, Sławomir Kąc, Andrij Milenin Comparing deterministic and statistical approaches for predicting “short can” defects in aluminium beverage can production	29
Szczepan Witek Viscoelastic characterization of additively manufactured acrylonitrile butadiene styrene	39
Alicja Okuniewska, Marcin Perzyk, Jacek Kozłowski Machine Learning Methods for diagnosing the causes of die-casting defects	45