

Content

	727-733
The SEM Metallography Analysis of Vacuum Cast ZhS6K Superalloy Turbine Blade after Various Working Hours	
<i>Juraj Belan, Alan Vaško, Lenka Kuchariková, Eva Tillová, Mária Chalupová</i>	
	734-739
Analysis of the Impact of the Change of Primary and Secondary AlSi9Cu3 Alloy Ratio in the Batch on its Performance	
<i>Dana Bolibruchová, Marek Matejka, Michal Kuriš</i>	
	740-744
Magnesium Composite Materials Prepared by Extrusion of Chemically Treated Powders	
<i>Drahomír Dvorský, Jiří Kubásek, Dalibor Vojtěch</i>	
	745-748
Effect of Nitriding on the Microstructure and Mechanical Properties of Stainless Steels	
<i>Petr Faltejsek, Zdeněk Joska, Zdeněk Pokorný, David Dobrocký, Zbyněk Studený</i>	
	749-752
Analysis of the Cause of Titanium Endoprosthesis Failure	
<i>Patricia Hanusová, Peter Palček, Milan Uhrčík</i>	
	753-758
Finite Element Analysis of a Lightweight Milling Cutter for Metal Additive Manufacturing	
<i>Pavel Hanzl, Miroslav Zetek, Vojtěch Rulc, Hynek Purš, Ivana Zetková</i>	
	759-766
Enhancement the Corrosion Resistance of AISI 304 Stainless Steel by Nanocomposite Gelatin-Titanium Dioxide Coatings	
<i>Mohammed T. Hayajneh, Mohammed Almomani, Mohammad Al-Daraghme</i>	
	767-771
Analysis of Microstructure Changes for AlSi7Mg0.3 Alloy Caused by Modification	
<i>Iryna Hren, Jaroslava Svobodova, Štefan Michna</i>	
	772-779
Analysis of the Effect of Trochoidal Milling on the Surface Roughness of Aluminium Alloys after Milling	
<i>Jerzy Józwik</i>	
	780-785
Colour Treatment of Aluminium Roof Sheets, a Significant Operating Factor	
<i>Pavel Kic, Miroslav Müller</i>	
	786-791
Influence of Preformed Adherent Angle and Reinforcing Glass Fibre on tensile strength of Hybrid Adhesive Bond	
<i>Viktor Kolář, Miroslav Müller, Martin Tichý, Anna Rudawska, Monika Hromasová</i>	
	792-796
Comparison of Damping Effects of Two Types of Graphite Cast Iron	
<i>Petra Kováčiková, Andrej Dubec, Ján Vavro</i>	
	797-801
Effect of Wall Thickness on the Quality of Casts from Secondary Aluminium Alloy	
<i>Lenka Kuchariková, Eva Tillová, Richard Pastirčák, Milan Uhrčík, Denisa Medvecká</i>	
	802-806
Influence of AlSi7Mg0.3 Alloy Modification on Corrosion Behaviour in the Salt Environment	
<i>Sylvia Kusmierczak, Iryna Hren</i>	
	807-812
Effect of Sr, Ti and B Additions as Powder and a Preliminary Alloy with Al on Microstructure and Tensile Strength AlSi9Mg Alloy	
<i>Tomasz Lipiński</i>	
	813-816
Influence of Cooling Speed during Melt Spinning Process on Properties of Al-Fe-Mn-Si-Mg Bulk Materials Prepared by SPS	
<i>Alena Michalcová, Jan Zábrodský, Anna Knaislová, Zdeněk Kačenka, Ivo Marek</i>	
	817-822
Production of Porous Aluminium Using Sodium Chloride	
<i>Iva Nová, Karel Fraňa, Jiří Sobotka, Pavel Solfronk, David Koreček, Iva Nováková</i>	
	823-830
Influence of the Welding Process on the Change of Mechanical Properties in the HAZ of Welds at Alloy AW 6005 and Possibilities of Their Renewal by Heat Treatment	
<i>Iva Novakova, Jaromir Moravec, Martin Svec, Tomas Kik, David Korecek</i>	

Advisory Board

Prof. hab. Dr. Stanislav Adamczak, MSc.
Politechnika Kielce, Poland

Prof. Dana Bolibruchová, MSc. PhD.
UZ in Zilina, Slovakia

Prof. Milan Brožek, MSc., Ph.D.
CULS in Prague, Czech

Prof. Dr. M. Numan Durakbasa
Vienna University of Technology, Austria

Prof. Dr. František Holešovský, MSc.
president, JEPU in Usti n. Labem, Czech

Prof. Jiří Hrubý, MSc., Ph.D.
VSB TU of Ostrava, Czech

Prof. h. c. Stanislav Legutko, MSc., Sc.D.
Politechnika Poznańska, Poland

Prof. Antonin Kriz, MSc., Ph.D.
University of West Bohemia, Czech

Prof. Karel Kocman, MSc., Sc.D.
TBU in Zlin, Czech

Prof. Pavel Kovac, MSc., Ph.D.
University of Novi Sad, Serbia

Prof. Dr. János Kundrák, MSc., Sc.D.
University of Miskolc, Hungary

Prof. Ivan Kuric, MSc., Ph.D.
UZ in Zilina, Slovakia

dr hab. inż. Tomasz Lipiński
UWMazurski in Olsztyn, Poland

Prof. Jan Mádl, MSc., Ph.D.
CTU in Prague, Czech

Prof. Ioan D. Marinescu, Ph.D.
University of Toledo, USA

Prof. Štefan Michna, MSc., Ph.D.
JEPU in Usti n. Labem, Czech

Prof. Dr. Ivan Mrkvica, MSc.
VSB TU of Ostrava, Czech

Prof. Iva Nová, MSc., Ph.D.
TU in Liberec, Czech

Prof. Dr. Hitoshi Ohmori, MSc.
RIKEN, Japan

Prof. Lubomír Šooš, MSc., Ph.D.
SUT in Bratislava, Slovakia

Prof. Karol Vasilko, MSc., Sc.D., Dr. h. c.
FPT in Presov, TU in Kosice, Slovakia

Prof. Dr. Dalibor Vojtěch, MSc.
ICHT in Prague, Czech

Col. Assoc. Prof. Milan Chalupa, Ph.D.
JEPU in Usti n. Labem, Czech

Assoc. Prof. Jan Jersák, MSc., Ph.D.
TU in Liberec, Czech

Assoc. Prof. Daniela Kalincova, MSc., Ph.D.
TU in Zvolen, Slovakia

Assoc. Prof. Pavel Novák, MSc., Ph.D.
ICHT in Prague, Czech

Assoc. Prof. Iveta Vaskova, MSc., Ph.D.
FM, TU in Kosice, Slovakia

Dr. Michael N. Morgan
John Moores University, Great Britain

Dr. Thomas Pearce
UWE Bristol, Great Britain

Editor-in-Chief

Assoc. Prof. Martin Novak, Eng. MSc., Ph.D.

Editor

Radek Lattner, MSc.

Editorial Office Address

J. E. Purkyne University in Usti n. Labem
 FME, Campus UJEP, Building H
 Pasteurova 3334/7, 400 01 Usti n. Labem
 Czech Republic
 Tel.: +420 475 285 534
 e-mail: editors.fsi@ujep.cz

Print

PrintPoint Ltd, Prague

Publisher

J. E. Purkyne University in Usti n. Labem
 Pasteurova 1, 400 96 Usti n. Labem
 Czech Republic
 VAT: CZ44555601

Published 6 p. a., 300 pcs.
 published in October 2019
 xxx pages

Permission: MK CR E 20470

ISSN 1213-2489

indexed on: <http://www.scopus.com>

Content

831-835
Observation of Phase Transformations in High-temperature Chamber under Microscope Objective Lens <i>Michal Peković, Kateřina Opatová, Kateřina Rubešová, Tomáš Janda, Hana Jirková, Radovan Bureš</i>
836-841
Influence of Processing on the Microstructure and the Mechanical Properties of Zn/HA8 wt.% Biodegradable Composite <i>Jan Pinc, Eva Miklášová, Filip Průša, Jaroslav Čapek, Jan Drahekoupil, Dalibor Vojtěch</i>
842-847
Strength Computation of Bearing Test Station <i>Milan Sapieta, Martin Svoboda</i>
848-854
Cooling Aluminium Coils by Outdoor Air <i>Dieter Sedlacek, Berenika Hausnerova</i>
855-859
The Implementations of Suitable Cutting Parameters by Grinding of Titanium VT9 with Impact on Surface Integrity <i>Dana Stancekova, Anna Rudawska, Miroslav Neslušan, Jozef Mrázik, Miroslav Janota</i>
860-867
Identification of Changes in Mechanical Properties of Human Axial System Due to Stress and Relaxation Regime <i>Martin Svoboda, Kateřina Van der Kamp, Karel Jelen, Milan Sapieta</i>
868-873
Identification of the “Snowflakes” on the Machined Surface of the AlSi10Mg Alloy Casting <i>Jaroslava Svobodová, Milan Luňák, Ivan Lukáč</i>
874-879
Sludge Phases as Cause of Higher Wear of Cutting Tools during Machining of Secondary AlSi12Cu1 Castings <i>Eva Tillová, Mária Chalupová, Lenka Kuchariková, Ivana Švecová, Juraj Belan</i>
880-885
Integrated Tool for High-Feed Turning <i>Karol Vasilko</i>
886-890
Accuracy of Portable Hardness Testers <i>Alan Vaško, Ján Sovík, Zuzana Sedliačková</i>
891-895
Experimental and Numerical Modal Analysis of the Carbon Composite Plate Damaged by Cut <i>Ján Vavro jr., Ján Vavro, Alena Vavrová</i>
896-902
Induction Brazing Analysis of EAST Fast Control Coil Conductor <i>Xianwei Wang, Peng Han, Qing He, Xiulian Li, Huan Jin, Chengtao Yu</i>

OCTOBER 2019, Vol. 19, No. 5 – INTERNATIONAL REVIEWERS AND EDITORS LIST

Technology and Assembly

Milan Brozek	Natasa Naprstkova
Josef Chladil	Martin Novak
Jiri Machuta	Danka Stancekova
Jozef Mesko	Karol Vasilko
Ivan Mrkvica	Iveta Vaskova

Material Engineering and Design

Dana Bolibruchova	Iva Nova
Tomasz Lipinski	Jan Skocilas
Ivan Lukac	Augustin Sladek
Stefan Michna	Martin Svoboda
Pavel Novak	Eva Tillova

Web portal of Manufacturing Technology Article Administration. More information on home page of the journal.



home page
<http://journal.strojirenskatechnologie.cz/>

indexed on databases
[SC] <http://www.scopus.com>
[IET] <http://www.theiet.org>