

Curriculum vitae

Personal data

Name: Dr. Sándor Kovács

Office: University of Miskolc, Institute of Physical Metallurgy, Metalforming and Nanotechnology

Employments

- 2016– **University of Miskolc**, Institute of Physical Metallurgy, Metalforming and Nanotechnology, (Senior) Lecturer. FEM modelling of metalforming texture.
- 2013–2016 **University of Miskolc**, Institute of Physical Metallurgy, Metalforming and Nanotechnology, Assistant Lecturer. FEM modelling of soldering processes.
- 2011–2013. **University of Miskolc**, Institute of Physical Metallurgy, Metalforming and Nanotechnology, Research Assistant.
- 2012 **Mol-Lub Ltd., Almásfüzitő**. Examination of efficiency of aluminum drawing lubricants.
- 2011 **Fux Co. Ltd., Miskolc**. Revision of wire drawing technology.
- 2009-2012 **ALCOA-Köfém Ltd., Székesfehérvár**. Optimalization of the industrial rolling technology. Software-developing.
- 2007–2008. **Coloplast Hungary Ltd. Tatabánya**. Increasing of the life span of the cutting equipments with nitrocarbonizing. Reasearching of the abrasion.
2007. **Modine Hungaria Ltd. Mezőkövesd**. Copper waste recycling in the production of the oil-cooler of the trucks and vans.
- 2003–2004. **Budapest University of Technology and Economics**, Department of Mechanics, Materials and Structures, Research Assistant.

Scientific degree

- 2013 **PhD defense in University of Miskolc**, Kerpely Antal Doctoral School of Materials Science and Technologies.
- 2003–2008. **University of Miskolc**, Faculty of Materials Science and Engineering, Material Engineer, Specialization of Heat-treatment and Metal-forming, Sector of Energy management
- 1998–2003. **Budapest University of Technology and Economics**, Faculty of Natural Sciences, Mathematician, Specialization of Stochastics, Supplementary Specialization of Financial Mathematics, Supplementary Specialization of Biomathematics

Scientific activities

Conference of Metalforming (2012,2015)

Editor of Forum of PhD Students (2010)

Professional experiences abroad

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Membership

MTA Metallurgy Scientific Committee

Published reports

33 publication and 18 citation

The most relevant publications

Krállics György , Bézi Zoltán , Bobor Kristóf , Kovács Sándor , Pálinkás Sándor , Szűcs Máté
Hengerlési folyamatok szimulációja és modellezése
In: XV. Képlékenyalakító konferencia: Absztrakt gyűjtemény . 57 p.
Konferencia helye, ideje: Miskolc , Magyarország , 2015.02.04 -2015.02.06. Miskolc: [s. n.], p. 7

Szabolcs Szávai , Sándor Kovács
EHD Contact Modelling of Gleason Bevel Gears
FME TRANSACTIONS 43.:(3.) pp. 233-240. (2015)

Szabolcs Szávai , Sándor Kovács
Development of calculating process for elasto-hydrodynamic spot contact by p-FEM
DESIGN OF MACHINES AND STRUCTURES 4:(1) pp. 87-98. (2014)

Kovács Sándor , Mertinger Valéria
Development of a complex optimizing model of wire drawing technology
MATERIALS SCIENCE FORUM 752: pp. 125-134. (2013)

S Kovács , V Mertinger , M Voith
Development of Complex Analytical Model for Optimizing Software of Wire Drawing Technology
MATERIALS SCIENCE FORUM 729: pp. 156-161. (2013)

Kovács Sándor , Mertinger Valéria
Examination of complex optimization objective functions of parameters of multi-step wire drawing technology
ACTA POLYTECHNICA HUNGARICA 10:(4) pp. 27-44. (2013)

Kapsza E , Károlyi Gy , Kovács S , Domokos G
Regular and random patterns in complex bifurcation diagrams
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS SERIES A 3:(4) pp. 519-540. (2003)
Független idéző: 6 Fügő idéző: 5 Összesen: 11