Curriculum vitae

Personal data

Name: Dr. habil. Zoltán GÁCSI
Office: University of Miskolc (UM), Institute of Physical Metallurgy, Metalforming and Nanotechnology, H-3515 Miskolc - Egyetemváros, Hungary.

Employments

1974 - University of Miskolc, 2004- professor

Scientific degree

1979. Dr. Techn. (Dr. Eng.). Dissertation: Izotermal Austenitization of Eutectoidic Plain Carbon Steel.
1993. C.Sc., Ph. D. Dissertation: Microstructure of Unidirectional Solidificated Al- Cu Alloy
2004. Doctor of Science. Dissertation: Morfological Anisotropy and Arrangement of Particle.

Scientific activities

Metal Matrix Composite. Power metallurgy process. Quantitative microscopy. Stereology. Image analysis.

Professional experiences abroad

1991. Max-Planck-Institute, Stuttgart, Germany, 2 months
1992. Max-Planck-Institute, Stuttgart, Germany, 2 months, Deutscher Akademischer Austauschdienst.
1995. Nagaoka University of Technology, Nagaoka, Japan, 6 weeks, Japan Society for the Promotion of Science

Membership

1992.- ASM International
1993.- Materials Research Society
1993.- International Society for Stereolgy

Published reports

Articles 274, Presentations 118, Citations 543.

The most relevant publications,k

1) Lekatou A, Karantzalis AE, Evangelou A, Gousia V, Kaptay G, Gácsi Z, Baumli P, Simon A: Aluminium reinforced by WC and TiC nanoparticles (ex-situ) and aluminide particles (in-situ): Microstructure, wear and corrosion behaviour, **MATERIALS & DESIGN** 65 (2015), pp. 1121-1135.
2) Pázmán J, Mádai V, Tóth J, Gácsi Z: Production and investigation of Al/SiC(Ni)p composites, **INTERNATIONAL JOURNAL OF MICROSTRUCTURE AND MATERIALS PROPERTIES** 7 (2012), pp. 220-234.
3) Zoltán Gácsi, Judit Pázmán, Viktor Mádai, Árpád Kovács: Arrangement of the Al-Ni phases in Al/SiC(Ni)p composites, **INTERNATIONAL JOURNAL OF MICROSTRUCTURE AND MATERIALS PROPERTIES** 7 (2012), pp. 49-63.
4) J Pázmán, V Mádai, J Tóth, Z Gácsi: Investigation of the electroless nickel plated SiC particles in metal matrix composites, **POWDER METALLURGY PROGRESS - JOURNAL OF SCIENCE AND TECHNOLOGY OF PARTICLE MATERIALS** 10 (2011), pp. 102-109.
5) Takacs D, Sziraki L, Torok TI, Solyom J, Gacsi Z, Gal-Solymos K: Effects of pre-treatments on the corrosion properties of electroless Ni-P layers deposited on AlMg2 alloy, **SURFACE & COATINGS TECHNOLOGY** (2007) pp. 4526-4535.