

Curriculum vitae

Personal data

Name: Peter Barkóczy, PhD

Office: Institute of Physical Metallurgy, Metal Forming and Nanotechnology, University of Miskolc

Employments

2013- FUX Co. Miskolc, R&D Manager

2004- University of Miskolc, Faculty of Materials Engineering

Scientific degree

PhD (2004)

Scientific activities

- Kinetic analysis and simulation of recrystallization, grain coarsening and allotropic phase transformation.
- Thermal analysis, kinetic analysis.
- Computational image processing and analysis.
- Metallography, optical microscopy.
- Heat treatment and plastic deformation of aluminum alloys
- Archeometry, archeometallurgy.
- Mechanical and electrical properties of conductors for railway and electrical distribution systems.

Professional experiences abroad

2001: *Technische Universitat Freiberg (Germany), Simulation of recrystallization by Cellular automata, DAAD cooperation*

Membership

2004- *Associated Phase Diagram and Thermodynamics Committee, Associated Committee member*

2005-2008, 2016-: *John von Neumann Computer Society, member.*

2007- *MTA public bodies, member*

2012- *Hungarian Society for Microscopy, member*

2013- *Intercable, member*

2013- *Archeometallurgical Reserch Group of University of Miskolc (ARGUM)*

The most relevant publications

www.mtmt.hu (Barkóczy Péter)