

## CURRICULUM VITAE

### Radim Kocich

**Date of Birth:** July 28th 1975

**Education:** *Year of Institution Specialization graduation Title/degree*

VŠB-Technical University of Ostrava Material Forming 2000 B.Sc.

VŠB-Technical University of Ostrava Material Forming 2003 M.Sc.

VŠB-Technical University of Ostrava Material Forming 2006 Ph.D.

VŠB-Technical University of Ostrava Material Forming 2011 Assoc. Prof.

**Professional experience:** *Organization Function From-Till*

VŠB-Technical University of Ostrava research scientist 2005-2007  
Department of non-ferrous metals

VŠB-Technical University of Ostrava assistant professor 2007-2011  
Department of Materials Forming

VŠB-Technical University of Ostrava senior researcher 2010-2017  
Regional Materials Science and Technology Centre

VŠB-Technical University of Ostrava associate professor 2011-present  
Department of Materials Forming

### Research area:

Classical forming processes (rolling, forging, drawing, etc.), non-conventional forming processes (severe plastic deformation based techniques), physical as well as numerical modelling, non-ferrous metals processing, thermo-mechanical processing of materials, structure and properties investigation.

### Mentoring Experience:

Three postgraduate students, twenty graduate students and seventeen undergraduate students

### Publication activities:

More than 300 technical papers, 2 books, 4 chapters in books, 3 patents, 1 utility design, 7 softwares.

Successfully solved scientific projects (GAČR, MPO, MŠMT, MŽP, etc.).

**Chosen publications:**

R. Kocich, Design and optimization of induction heating for tungsten heavy alloy prior to rotary swaging, *International Journal of Refractory Metals and Hard Materials*, (2020) 93, 105353.

A.M. Jamili, A. Zarei-Hanzaki, H.R. Abedi, M. Mosayebi, R. Kocich, L. Kunčická, Development of fresh and fully recrystallized microstructures through friction stir processing of a rare earth bearing magnesium alloy, *Materials Science and Engineering: A*, (2020) 775, 138837.

L. Kunčická, R. Kocich, V. Ryukhtin, J.C.T. Cullen, N.P. Lavery, Study of structure of naturally aged aluminium after twist channel angular pressing, *Materials Characterization*, (2019) 152, 94-100.

R. Kocich, L. Kunčická, P. Král, P. Strunz, Characterization of innovative rotary swaged Cu-Al clad composite wire conductors, *Materials & Design*, (2018) 160, 828-835.

L. Kunčická, R. Kocich, T.C. Lowe, Advances in metals and alloys for joint replacement, *Progress in Materials Science*, (2017) 88, 232-280.

R. Kocich, L. Kunčická, A. Macháčková, M. Šofer, Improvement of mechanical and electrical properties of rotary swaged Al-Cu clad composites, *Materials and Design*, (2017) 123, 137-146.

M. Thomasová, H. Seiner, P. Sedlák, M. Frost, M. Ševčík, I. Szurman, R. Kocich, J. Drahekoupil, P. Šittner, M. Landa, Evolution of macroscopic elastic moduli of martensitic polycrystalline NiTi and NiTiCu shape memory alloys with pseudoplastic straining, *Acta Materialia*, (2017) 123, 146-156.