

CURRICULUM VITAE



Surname: Kuzsella
Given name: László
Title Ph.D
Place of birth: Miskolc, Hungary
Citizenship: Hungarian
E-mail: kuzsella@uni-miskolc.hu

Workplace: Institute of Material Science and Technology, Faculty of Mechanical Engineering and Informatics, University of Miskolc
Position: associate professor (docent)
Degree: Ph.D, MSc. Physicist-Engineer
Title of the theses The Effect of Longitudinal Compression on the Structure and the Mechanical Properties of Beech Wood
Language knowledge: Hungarian (native language), English (high level), French, Spanish (basic understand)

Qualification

Date	School	Degree
2011.	University of Miskolc Kerpely Antal Material Science and Technology Ph.D School	Ph.D degree in the field of Material Science and Technologies
1995-2001.	University of Miskolc, Faculty of Material and Metallurgical Engineering and Eötvös Loránd University, Faculty of Science, Budapest	MSc. Engineer-Physicist
1990-1995.	Bláthy Ottó Technical School	final exam, diplom of electragist

Jobs and positions

Period	September 2013 – present
Position	associate professor (docent)
Employer	Institute of Material Science and Technology, Faculty of Mechanical Engineering and Informatics, University of Miskolc
Period	September 2011.
Position	lecturer (adjunct)
Employer	Institute of Material Science and Technology, Faculty of Mechanical Engineering and Informatics, University of Miskolc
Period	January 2007. – August 2011.

Position	lecturer
Employer	Department of Polymer Engineering, Faculty of Material Science and Engineering, University of Miskolc
Period	September 2005. – December 2006.
Position	researcher
Employer	University of Miskolc
Period	September 2004. – Augustus 2005.
Position	assistant lecturer
Employer	Chemical Institute, Faculty of Material Science and Engineering, University of Miskolc
Period	September 2001. – Augustus 2004.
Position	Ph.D student
Employer	Faculty of Material Science and Engineering, University of Miskolc

Given lectures and practical trainings (alphabetic order)

- Chemistry
- Heat treatment and surface engineering
- Heat treatment and welding
- Material design
- Material structure
- Material testing
- Physical chemistry
- Polymer composites
- Solid state physics
- Surface analysis
- Wood material

Professional experiences

December 1999. – January 1999. Ecole Centrale de Lyon, Laboratoire de Tribologie et Dynamique des Systèmes (LTDS), École Centrale Lyon, **France**, *Functionality of electrical contacts subjected to the mechanical vibration*

July 2001. (one week) Austrian Researches Centers Seibersdorf, **Austria**, *Structure and Properties Relationship of Ceramic-Ceramic Composites*

July 2002. (one week) Udine, Italy, *Modern Trend in Composite Laminate Mechanics*

July 2014. (two weeks) CEO FALEX Tribology NV, Belgium, *Tribological study of plasmanitrided surfaces*

Professional Interest

- Material Science
 - Material structure and Method of structural analysis
- Surface analysis
 - Surface topography, Mechanical and optical surface characterizations
 - SEM, EDAX, EBSD
 - GDOES
 - Diffraction methods, Laue-diffraction
 - FTIR
- Material testing
 - Physical simulation, GLEEBLE systems, thermo-mechanical simulations
 - Tribology, friction and wear characterization of heat treated steels, plastics and ceramics.
 - Tensile tests, compressive tests, low cycle fatigues tests
 - Nondestructive determination of elastic properties of solids
- Heat treatment and surface engineering
 - Niriding, plasmanitriding
 - Heat treatment methods of steels

Memberships

Scientific Society for Mechanical Engineering (Hungarian), Heat Treatment and Surface Engineering Department (GTE) secretary (2014-)

Hungarian Society of Materials Science (MAE) member (2009-)

Hungarian Chemical Society (MKE) member (2006-)

Hungarian Mining and Metallurgical Society (OMBKE) member (2000-)

Society of Hungarian Ph.D Students (DOSz)

member (2001- 2004)

chairman of the Physicist Chapter (2002-2004)

Member of the board (September 2001.- January 2004.),

American Society for Materials (ASM International) Miskolc Student Chapter

member of board (1998- 2002)

chairman (2000. november-2002)