

Lecturer	Dragutin Lisjak, Ph.D. Ass.Prof.	E-mail: ddisjak@fsb.hr
Institution of employment:	The Faculty of Mechanical Engineering and Naval Architecture, Department of Industrial engineering, University of Zagreb	
Personal web address: www.	University position and the date of the last appointment: Assistant professor, 2008.	
Short CV:	<p>Personal details: Born 1962. at Čakovec/Croatia</p> <p>Education: Finished graduate (1989) and master's studys (1998) at the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb. At the same faculty defended Ph thesis (2004) entitled: "<i>Application of artificial intelligence methods in the selection of materials</i>".</p> <p>Languages competence: English, German</p> <p>Computer sciences competence: Matlab, CES Selector, Visual Basic.NET, ASP.NET, SQL-server, Expert systems, Neural network Fuzzy logic, Genetic algorithm, Genetic programming, Simulation and optimization software (Siemens Plant Simulation), statistical software (Statistica, MiniTab) Microsoft Office.</p> <p>Research experience: research activities form 1997. to nowadays at five R&D projects funded by the Ministry of Science: <i>Computer simulations and development of materials (1997-2002.)</i>, <i>Development of materials and process computer modeling (2002-2006.)</i>, <i>Modeling of material properties and process parameters (2007.-)</i>. He was the head of two information technology projects: <i>Identification of the steel chemical composition and standard labels (2003.)</i> and <i>Identification of aluminum and aluminum alloys according to the chemical composition and standard labels (2004)</i>. 2007th resides in the IWT- Stiftung Institut fuer Werkstofftechnik, Universität Bremen, Germany as a visiting scientist in a project SFB 570 at the Collaborative Research Centre "Distortion Engineering". At the 2008 year elected at the rank of assistant professor in the field of technical sciences and associate researcher at the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb. As an expert in IT-technology, from 2010-2012. participates in international project MAS-PLM TEMPUS JP: Master studies and continuing education network in product lifecycle management and sustainable production (Project N° 144959-TEMPUS-2008-IT-JPCR).</p> <p>Award:</p> <p>Memberships: Croatian society heat treatment and surface engineering, Croatian society for materials and tribology, American Association for the Advancement of Artificial Intelligence (AAAI).</p>	

<p>List of the most important papers published in the last five years:</p>	<ol style="list-style-type: none"> 1. Z. Glavaš, <u>D. Lisjak</u>, F. Unkić: “The application of Artificial Neural Network in the prediscion of the as-cast impact toughness of spheroidal graphite cast iron” Kavove Materialy-Metallic Materials, Vol. 45, Issue 1, 2007, 42-49. 2. J. Živko-Babić, <u>D. Lisjak</u>, L. Čurković, M. Jakovac:” Estimation of chemical resistance of dental ceramics by neural network” Dental Materials, Vol. 24, Issue 1, 2008, 18-27. 3. D. Landek, B. Liščić, T. Filetin, Th. Lübben, <u>D. Lisjak</u>: “Hardenability testing and simulation of high pressure gas quenched steels”, aterials and technology Extended Abstract from 2nd Internationa Conference on Heat Treatment and Surface Engineering of Tools and Dies, 25-28. 05. 2008., Bled, Slovenia, Vol. 42, Special Issue, 151-152. 4. Landek, <u>D. Lisjak</u>, F. Frerichs, Th. Lübben, F. Hoffmann, H.W. Zoch: "Prediction of unavoidable distortions in transformation-free cooling by a newly developed dimensionless model", Proceedings of the 2nd International Conference on Distortion Engineering - IDE 2008, Bremen, Germany, 17.-19. 09.2008., 237-246. 5. D. Landek; B. Liščić, T. Filetin; Th. Lübben; <u>D. Lisjak</u>: “Hardenability Testing and Simulation of Gas-Quenched Steel”, Materials and Manufacturing Processes, Volume 24, Issue 7 & 8 July (2009), 868-872. 6. D.Landek, <u>D. Lisjak</u>, F Frerich, Th. Lübben, F. Hoffmann, H.W. Zoch: “Prediction of Unavoidable Distortions in Transformation- Free Cooling by a Newly Developed Dimensionless Model”, Journal of Mechanical Engineering 55(2009)3, 191-198. 7. <u>D. Lisjak</u>, B. Matijević: “Determination of steel carburizing parammeters by using neural network“, Materials and Manufacturing processes, Taylor & Francis Group, Vol. 24, No. 5, Issue 7-8, 2009, 7772-780. 8. Z. Glavaš, <u>D. Lisjak</u>, F. Unkić: “The prediction of the microstructure constituents of spheroidal graphite cast iron by using thermal analysis and artificial neural network”, Archives of Metallurgy and Materials, Vol. 5, Issue 1, 2010, 247-253. 9. A. Abrashi, N. Štefanić, <u>D. Lisjak</u>, ”Solving JSSP by introducing Hamilton similarity and time dependent fitness scaling”, Strojniški vestnik-Journal of Mechanical Engineering, Vol. 56, Issue. 5, 2010, 330-339, ISSN 0039-2480. 10. P. Čosić, <u>D. Lisjak</u>, D. Antolić: “The iterative multiobjective method in optimization process planing“, Tehnički vjesnik-Tecnical Gazette, Vol. 17, Issue 1, 2010, 75-81, ISSN 1330-3651. 11. P. Čosić, <u>D. Lisjak</u>, D. Antolić: “Regression analysis and neural networks as method for production time estimation“, Tehnički vjesnik-Tecnical Gazette, Vol.18, Issue 4, 2011, 479-485, ISSN 1330-3651.
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