



PERSONAL INFORMATION

Zrinka Lukač



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CURRENT POSITION

Full Professor at Department of Mathematics

WORK EXPERIENCE

2017-

Full Professor at Department of Mathematics

Faculty of Economics & Business – Zagreb, University of Zagreb

- Head of Department
- Teaches Mathematics, Mathematics for Business, Financial Mathematics, Financial Modeling, Operational Research, Mathematics for Economic Analysis (Doctoral study programme), Quantitative methods in accounting (University specialist study programme)

2012 - 2017

Associate Professor at Department of Mathematics

Faculty of Economics & Business – Zagreb, University of Zagreb

- Head of Department
- Teaches Mathematics, Mathematics for Business, Financial Mathematics, Financial Modeling, Operational Research, Mathematics for Economic Analysis (Doctoral study programme), Quantitative methods in accounting (University specialist study programme), Quantitative methods for business decision making (MBA programme)

2008 - 2012

Assistant Professor at Department of Mathematics

Faculty of Economics & Business – Zagreb, University of Zagreb

- Teaches Mathematics, Financial Mathematics, Financial Modeling

2000 - 2008

Assistant at Department of Mathematics

Faculty of Economics & Business – Zagreb, University of Zagreb

- Teaches Mathematics, Operational Research, , Quantitative methods for business decision making

1999 - 2000

Trainee for the position of Unix system engineer

Privredna banka Zagreb

EDUCATION

2004-2006

PhD in Economics

Faculty of Economics & Business – Zagreb, University of Zagreb

2000-2003

MSc in Operational Research

Faculty of Economics & Business – Zagreb, University of Zagreb

1993-1998 **BSc in Pure Mathematics**
 Faculty of Sciences and Mathematics, Department of Mathematics, University of Zagreb

TRAINING

- 2017 Essex/Nuffield CESS Experimental Summer School, Oxford, England
- 2011 Professionalization of PhD Supervision workshop, University of Zagreb
- 2010 Research stay at Leeds School of Business, University of Colorado at Boulder, USA
- 2008-09 Fulbright Scholar, Leeds School of Business, University of Colorado at Boulder, USA
- 2007 Two semester *Gaining competence for university professors* programme (Didactics, Psychology, Rhetorics, Croatian language and Informatics), organized by Faculty of Economics and Business – Zagreb and Faculty of Humanities and Social Sciences, University of Zagreb
- 2003 International Summer School On Multiple Criteria Decision Aid 2003, Montreal, Canada

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ good communication skills gained through my experience as professor

Organisational / managerial skills ▪ leadership (Head of Department of Mathematics since 2012, President of Croatian Operational Research Society since 2016, project leader for several projects)
 ▪ organisation (organisation of conferences)

Other skills ▪ Microsoft Office, Scientific Workplace, C#, Visual Basic, ILOG CPLEX, AMPL

ADDITIONAL INFORMATION

Invited lectures ▪ 2011: “Metaheuristic Optimization” – The 11th International Symposium on Operations Research in Slovenia, September 28-30, 2011, Dolenjske Toplice, Slovenia

- Projects**
- Researcher on project *The role of structural reforms in boosting external competitiveness*; project duration: 01.05.2015 - 30.04.2019.; project leader: prof. dr. sc. Boris Cota - project funded by Croatian Science Foundation
 - Project leader for *Mathematical models and methods as support in decision making process of economic agents* – project funded by University of Zagreb
 - Project leader for *Models and methods of operational research in economics and business decision making*; time period: 2013.-2014. - project funded by Ministry of Science and Education of Republic of Croatia
 - Researcher on project: *Models and methods of operational research in economics and business decision making*; time period: 2007.-2013.; project leader: prof. dr. sc. Luka Neralić - project funded by Ministry of Science and Education of Republic of Croatia
 - Researcher on project *Algorithms and heuristics for scheduling problems*; time period : 2002.-2005.; project leader : doc. dr. sc. Kristina Šorić - project funded by Ministry of Science and Education of Republic of Croatia
- Honours and awards**
- 2015. – Mijo Mirković award for the textbook: Lukač, Z. (2014): *Matematika za ekonomske analize*, Element d.o.o., Zagreb, 2014.
 - 2008. – Mijo Mirković for the paper: Lukač, Z., K. Šorić, V. Vojvodić Rosenzweig (2008), „Production Planning Problem with Sequence Dependent Setups as a Bilevel Programming Problem,“ *European Journal of Operational Research*, Vol 187, No. 3, pp. 1504-1512
- Public and university services**
- 2012 - : Head of Department of Mathematics, Faculty of Economics and Business - Zagreb
- Memberships in professional association or bodies**
- Croatian Operational Research Society,
- Journal editor roles**
(editor in chief, associate editor, guest editor, editorial board etc.)
- 2018 - : Croatian Operational Research Review, Editor in Chief
 - 2014-2018: Croatian Operational Research Review, Co-Editor
 - 2013 - : Central European Journal of Operational Research, Associate Editor
- Prominent conferences**
(program, organizing, scientific etc. committees)
- 2017, The 14th International Symposium on Operations Research in Slovenia - member of Program Committee
 - 2016, The 16th International Conference on Operational Research KOI 2016 - member of Program Committee
 - 2015, The 13th International Symposium on Operations Research in Slovenia - member of Program Committee
 - 2014, The 15th International Conference on Operational Research KOI 2014 - member of Program Committee
- Researcher's profiles**
- ORCID: <https://orcid.org/0000-0003-2986-6345>
 Google Scholar: <https://scholar.google.hr/citations?user=Lc82l40AAAAJ&hl=hr&oi=ao>
 ResearcherID: <http://www.researcherid.com/rid/l-1275-2018>
 ScopusID: <https://www.scopus.com/authid/detail.uri?authorId=6507278530>
 Full bibliography: <https://www.bib.irb.hr/pregled/znanstvenici/252215>

SELECTED BIBLIOGRAPHY

- Selection of 5-10 prominent publications (excellence qualifications based on bibliometric's indicators, awards, recognized scientific, educational or public impact)
- Gardijan, M. & Lukač, Z. (2018) Measuring the relative efficiency of the food and drink industry in the chosen EU countries using the data envelopment analysis with missing data. Accepted for publication in Central European journal of operations research. [Preprint].
- Kojić, V. & Lukač, Z. (2018) An alternative approach to solving cost minimization problem with Cobb–

Douglas technology. . Accepted for publication in Central European journal of operations research. [Preprint].

- Lukač, Z. (2014) *Matematika za ekonomske analize*. Zagreb. Element d.o.o.
- Lukač, Z. & Laguna, M. (2013) Core-Based GRASP for Delay-Constrained Group Communications. *International Journal of Applied Metaheuristic Computing*, 4 (4), 1-22.
- Vlah, S., Lukač, Z. & Pacheco, J. (2011) Use of VNS heuristic for scheduling of patients in hospital. *Journal of the Operational Research Society*, 62 (7), 1227-1238. doi:10.1057/jors.2010.73.
- Lukač, Z., Šorić, K. & Vojvodić Rosenzweig, V. (2008) Production planning problem with different setups as a bilevel programming problem. *European journal of operational research*, 187 (3), 1504-1512.
- Lukač, Z., Hunjet, D. & Neralić, L. (2008) Solving the production-transportation problem in the petroleum industry. *Revista Investigacion Operacional*, 29 (1), 63-70.
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