

PERSONAL INFORMATION

Milomir Gašić



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Sex Male | Date of birth 25/10/1950 | Nationality Serbian

POSITION

Full Professor in Mechanical Structures

- Dean at Faculty of Mechanical and Civil Engineering in Kraljevo, University of Kragujevac,

WORK EXPERIENCE

28/01/2003 - present Full professor

University of Kragujevac, Faculty of Mechanical and Civil Engineering in Kraljevo, Dositejeva 19, 36000 Kraljevo, Serbia, <http://www.kg.ac.rs>, <http://www.mfkv.kg.ac.rs>

- Teaching activities at three levels (bachelor, master, doctorate); research activities on several topics related to education
Business or sector Education

19/10/1995 - 27/01/2003 Associate professor

University of Kragujevac, Faculty of Mechanical Engineering Kraljevo, Dositejeva 19, 36000 Kraljevo, Serbia, <http://www.kg.ac.rs>, <http://www.mfkv.kg.ac.rs>

- Teaching activities and research activities on several topics related to education
Business or sector Education

11/12/1989 - 18/10/1995 Assistant professor

University of Kragujevac, Faculty of Mechanical Engineering Kraljevo, Dositejeva 19, 36000 Kraljevo, Serbia, <http://www.kg.ac.rs>, <http://www.mfkv.kg.ac.rs>,

- Teaching activities and research activities on several topics related to education
Business or sector Education

10/01/1980 - 10/12/1989 Teaching Assistant

University of Kragujevac, Faculty of Mechanical Kraljevo, Dositejeva 19, 36000 Kraljevo, Serbia, <http://www.kg.ac.rs>, <http://www.mfkv.kg.ac.rs>,

- Teaching activities and research activities on several topics related to education
Business or sector Education

12/03/1979 - 01/03/1980 Technologist

Aeronautical Institute "Moma Stanojlović" Batajnica, Pukovnika Milenka Pavlovića 160, 11263 Batajnica, Serbia, <http://www.vzmoma.com>,

- Construction and design
Business or sector Industry

13/05/1974 - 11/03/1979 The lead designer

IMK 14. Oktobar a.d, Kruševac, Jasički put br.2, 37000 Kruševac, Serbia, <http://www.14-oktobar.co.rs>

- Construction and design of earth-moving machines
Business or sector Industry

EDUCATION AND TRAINING

- 30/09/1996 **PhD** EQF level 8
 University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11120 Belgrade, Serbia

 - Mechanical engineering
 - Construction and design in machine building
- 22/06/1983 **Magistar degreee** EQF level 7
 University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11120 Belgrade, Serbia

 - Mechanical engineering
 - Construction and design in machine building
- 16/04/1974 **Graduated Mechanical Engineer** EQF level 6
 University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11120 Belgrade, Serbia

 - Design and calculation of mechanical structures and machines

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	B2	B2	C2
Russian	B2	B2	B2	B2	B2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Team spirit and good ability to adapt to multicultural environments gained through my work experience. Good communication skills gained through the experience in the participation in the national and international conferences and symposiums, realization of teaching, working with students, etc.

Organisational / managerial skills Good experience in project and team management gained through working experience in realization international and national projects

Job-related skills Good skills of organization and implementation of education process gained through the long-standing work on the realization of the University teaching.

Computer skills AutoCAD, SolidWorks, Ansys, SAP (Structural Analysis Program), MS Office, etc.

Other skills

- Honoured professor of Voronezh State University

Driving licence B

ADDITIONAL INFORMATION

Publications

Papers published in international journals:

1. Marković Goran, **Gašić Milomir**, Kolarević Milan, Savković Mile, Marinković Zoran: Application of the MODIPROM method to the final solution of logistics centre location, *Transport*, Volume 28, Issue 4, Pages 341-351, 2013., ISSN 1648-3480, DOI:10.3846/16484142.2013.864328
2. Savković M., **Gašić M.**, Čatić D., Nikolić R., Pavlović G.: Optimization of the box section of the main girder of the bridge crane with the rail placed above the web plate, *Structural and Multidisciplinary Optimization* (2013) Vol. 47 (2); 273-288, DOI: 10.1007/s00158-012-0813-5.
3. Savković M., **Gašić M.**, Petrović D., Zdravković N., Pljakić R.: Analysis of the drive shaft fracture of the bucket wheel excavator, *Engineering Failure Analysis* 20 (2012) 105–117, DOI 10.1016/j.engfailanal.2011.11.004.
4. **Gašić M.**, Savković M, Bulatović R, Petrović R.: Optimization of a pentagonal cross section of the truck crane boom using Lagrange's multipliers and differential evolution algorithm. *Meccanica* (2011) 46:845–853. doi:10.1007/s11012-010-9343-7.
5. Savković M., **Gašić M.**, Arsić M., Petrović R.: Analysis of the axle fracture of the bucket wheel excavator, *Engineering Failure Analysis*, 18 (2011) 433–441, DOI 10.1016/j.engfailanal.2010.09.031.
6. **Gašić M.**, Savković M, Bulatović R.: Optimization of trapezoidal cross section of the truck crane boom by Lagrange's multipliers and by differential evolution algorithm (de). *Strojniški vestnik – Journal of Mechanical Engineering*, 57(2011)4, 304-312, doi: 10.5545/sv-jme.2008.029.
7. Čatić D., **Gašić M.**, Savković M, Glišović J.: Fault tree analysis of hydraulic power-steering system, *International Journal of Vehicle Design*.
8. Bižić M., Bulatović R., Petrović D., **Gašić M.**, Savković M.: Modeling profile and kinematic analysis of two circular-arc cams. *Engineering with Computers*, Acceptance Date: 18 August 2012, doi: 10.1007/s00366-012-0280-z.
9. Petrović D., Bižić M., **Gašić M.**, Savković M., Gajić V.: Increasing the efficiency of railway transport by improvement of suspension of freight wagons. *Promet - Traffic&Transportation* (2012) Vol. 24 No 6; 487-493, doi: <http://dx.doi.org/10.7307/ptt.v24i6.1202>.

Papers published in national journals:

1. **Gašić M.**, Savković M., Marković G, Zdravković N: "Geometric identification of carrying frame of radial-axial bearing at hydraulic excavators", *IMK – 14 Research & Development in Heavy Machinery*, vol 20 (2014) No 2, pp. EN47-53, 2014., ISSN 0354-6829.
2. Pavlović G, Savković M., **Gašić M.**, Bulatović, R., Zdravković N: Optimization of the box section of the main girder of the double beam bridge crane according to the criteria of lateral stability and local stability of plates, *Machine Design*, vol 4 , No 4 (2012) p.p. 197-204. ISSN 1821-1259.
3. Čupović, M, Savković M., Zdravković, N., Jovanović, D.: Dynamic Loads Effects on the Characteristics of Compressive Monocable Chairlift Towers, *IMK – 14 Истраживање и развој*, 2012, vol 18(2012) 3 p.p. EN 95-100. ISSN 0354-6829
4. Pavlović G, **Gašić M.**, Savković M., Zdravković N: Comparative Analysis of Local and Lateral Stability of Plates as The Constraint Functions Within Optimization of Main Girder Box Section of the Bridge Crane, *IMK – 14 Research and development*, 2012, vol 18(2012) 1 p.p. EN 11-18. ISSN 0354-6829

Papers published on international conferences:

1. Savković, M., Pavlović, G, **Gašić M.**, Zdravković, N.: Multicriterion optimization of the box section of the main girder of the bridge crane, *International Conference on material Handling, Construction and Logistics MHCL -12 -2011 – p.p. 285-292 isbn 978-86-7083-763-8, Beograd 2012.*
2. Zdravković, N., Petković, Z., **Gašić M.**, Savković, M.: Research of deflection-payload dependence of the auto crane articulated boom, *International Conference on material Handling, Construction and Logistics MHCL -12 -2011 – p.p. 101-106 isbn 978-86-7083-763-8, Beograd 2012.*
1. Savković M., **Gašić M.**, Pavlović G, Bulatović R, Zdravković N.: Optimization of the box section of the main girder of the bridge crane according to the criteria of lateral and local stability of plates, *The 7th International Symposium*, p.p. 113-120, Balatonfüred, Hungary, 2012, ISBN 978-86-7892-399-9.
2. Gašić, M., Savković, M., Zdravković, N., Marković, G. development of devices used for loading the heavy machines on the freight trailers, *The 20th International conference Mechanics Transport Communications*, p.p. VI-29: VI-35, ISBN 1312-3823, Sofija, 2011. (Issue 3)
3. Gašić, M., Savković, M., Marković, G., Zdravković, N. ANALYSIS OF CARRYING STRUCTURE INFLUENTIAL PARAMETERS ON BOND FUNCTION OF REVOLVING AND NON-REVOLVING PARTS, *11th International Conference Research and Development in Mechanical Industry -RaDMI 2011, Volume 1*, p.p. 167-173, isbn 978-86-6075-027-5, Soko Banja 2011,
4. Zdravković, N., Gašić, M., Savković, M., Petrović, D. RESEARCH OF THE FORCE VALUES DEPENDENCES IN HYDRO CYLINDERS OF THE MOBILE ELEVATING WORK PLATFORM ARTICULATED BOOM ON THE WORK POSITION AND LOAD WEIGHT, *The 7th International conference research and development of mechanical elements and system IRMES 2011*, p.p. 271-278, isbn 978-86-6055-012-7, 2011.
5. Đelošević, M., Gašić, M., Savković, M., Petrović, D., Bižić, M. ANALYSIS OF THE INFLUENCE OF LOCAL STRESS ON THE CARRYING CAPACITY OF BOX BEAMS, *The 7th International conference research and development of mechanical elements and system IRMES 2011*, p.p. 279-284, isbn 978-86-6055-012-7, 2011.

6. **Gašić, M.**, Savković, M., Marković G., Zdravković N. RESEARCH AND DEVELOPMENT OF CARRYING STRUCTURE OF RADIAL-AXIAL BEARING OF CONSTRUCTION AND PAPER PUBLISHED IN INTERNATIONAL JOURNALS

10. Marković Goran, **Gašić Milomir**, Kolarević Milan, Savković Mile, Marinković Zoran: Application of the MODIPROM method to the final solution of logistics centre location, Transport, Volume 28, Issue 4, Pages 341-351, 2013, ISSN 1648-3480, DOI:10.3846/16484142.2013.864328

11. Savković M., **Gašić M.**, Savković, M., Bošnjak, S., Gašić, V. ANALYSIS OF STRESS IN THE CONTINUOUS SECTIONS OF THE BOOM AT MOBILE CRANE, International Conference on Research and Development in Mechanical and Structural Engineering, Optimization (2013) Vol. 47, pp. 228-230, ISBN 978-90-75007-50-0, Beograd 2009.

12. Savković M., **Gašić M.**, Savković, M., Novaković, D., Zdravković, N. Анализ приводного механизма коренца экскаватора, Међународна конференција о истраживањима и развоју у области машинског инжењерства, Београд, 2013, 11-12.10.2013, ISSN 1821-7239, Beograd 2009.

13. **Gašić M.**, Savković M., Bulatović R., Petrović R.: Optimization of a pentagonal cross section of the truck crane boom using Lagrange's multipliers and differential evolution algorithm, International Conference on Material Handling and Logistics Inhd-09 -2009 – p.p. 139-142 isbn 978-86-7083-672-3, Beograd 2009

14. Savković M., **Gašić M.**, Arsić M., Petrović R. : Analysis of the axle fracture of the bucket wheel excavator, Engineering Failure Analysis 18(2010)438-446, DOI:10.1016/j.engfail.2010.09.003

15. **Gašić M.**, Savković M., Bulatović R.: Optimization of a pentagonal cross section of the truck crane boom by Lagrange's multipliers and by differential evolution algorithm (in Serbian), Strojnički vestnik / Journal of Mechanical Engineering, 67(2011)4, 394-400, doi: 10.5545/svime.2008.029

16. Čatić D., **Gašić M.**, Savković M., Glišović J. Fault free analysis of hydraulic power-steering system, International Journal of Vehicle Design., http://www.inderscience.com/browse/index.php?journalID=31&action=coming

17. Bižić M., Bulatović R., Petrović R., **Gašić M.**, Savković M.: Modeling profile and kinematic analysis of two circular-arc cams. Engineering with Computers, Engineering 2008, 18(2008)12, 6: 1097-1010, 012-0280-z. Academic Council No. 289/7 of 25.05.2008

18. Petrović R., **Gašić M.**, Gašić M., Savković M., Gašić V.: Increasing the efficiency of railway transport by improvement of suspension of freight wagons, Promet - Traffic & Transportation (2012) Vol. 24 No. 6: 487-493, doi: http://dx.doi.org/10.7307/jpt.2416-297

Projects:

1. Member of the National Academy of Science in field of Transport

2. Member of Serbian Chamber of Engineers

3. Member of the Scientific Board for Mechanical Engineering

4. Member of the National Education Council of the Republic of Serbia

5. Member of the editorial board and editorial chief of the national journal IMK - 14 Research and Development in Heavy Machinery (ISSN 0354-6829)

Books:

1. Čatić D., **Gašić M.**, Savković M., Glišović J. Fault free analysis of hydraulic power-steering system, International Journal of Vehicle Design., http://www.inderscience.com/browse/index.php?journalID=31&action=coming

2. Bižić M., Bulatović R., Petrović R., **Gašić M.**, Savković M.: Modeling profile and kinematic analysis of two circular-arc cams. Engineering with Computers, Engineering 2008, 18(2008)12, 6: 1097-1010, 012-0280-z. Academic Council No. 289/7 of 25.05.2008

3. Petrović R., **Gašić M.**, Gašić M., Savković M., Gašić V.: Increasing the efficiency of railway transport by improvement of suspension of freight wagons, Promet - Traffic & Transportation (2012) Vol. 24 No. 6: 487-493, doi: http://dx.doi.org/10.7307/jpt.2416-297

Membership:

Papers published in national journals:

5. **Gašić M.**, Savković M., Marković G., Zdravković N.: Geometric identification of carrying frame of radial-axial bearing at hydraulic excavators, IMK – 14 Research & Development in Heavy Machinery, vol 20 (2014) No 2, pp. EN 95-100, ISSN 0354-6829

6. Pavlović G., Savković M., **Gašić M.**, Bulatović R., Zdravković N.: Optimization of the box section of the main girder of the double beam bridge crane according to the criteria of lateral stability and local stability of plates, Machine Design, vol 4, No 4 (2012) p.p. 197-204, ISSN 1821-7239.

7. Čupović, M., Savković M., Zdravković, N., Jovanović, D.: Dynamic Loads Effects on the Characteristics of Compressive Monocable Chairlift Towers, IMK – 14 Истраживање и развој, 2012, vol 18(2012) 3 p.p. EN 95-100. ISSN 0354-6829

8. Pavlović G., **Gašić M.**, Savković M., Zdravković N.: Comparative Analysis of Local and Lateral Stability of Plates as The Constraint Functions Within Optimization of Main Girder Box Section of the Bridge Crane, IMK – 14 Истраживање и развој, 2012, vol 18(2012) 1 p.p. EN 11-18. ISSN 0354-6829

Papers published on international conferences:

1. Savković, M., **Gašić M.**, Bošković, G., Zdravković, N.: Prilog analizi uzroka otkaza korenog dela industrijskog čeličnog dimnjaka, International Scientific Conference on Mechanical Engineering Technologies and Applications cometa 2012 – p.p. 723-730 isbn 978-99938-655-4-4, East Sarajevo-Jahorina, B&H, RS (2012).

2. Savković, M., Pavlović, G., **Gašić M.**, Zdravković, N.: Multicriterion optimization of the bodž section of the main girder of the bridge crane, International Conference on material Handling, Construction and Logistics MHCL - 12 -2011 – p.p. 285-292 isbn 978-86-7083-763-8, Beograd 2012.

3. Zdravković, N., Petković, Z., **Gašić M.**, Savković, M.: Research of deflection-payload dependence of the auto crane articulated boom, International Conference on material Handling, Construction and Logistics MHCL - 12 -2011 – p.p. 101-106 isbn 978-86-7083-763-8, Beograd 2012.

4. Savković M., **Gašić M.**, Pavlović G., Bulatović R., Zdravković N.: Optimization of the box section of the main girder of the bridge crane according to the criteria of lateral and local stability of plates, The 7th International Symposium, p.p. 113-120, Balatonfüred, Hungary, 2012, ISBN 978-86-7892-399-9.

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